

# Welcome!

This is the third in a series of teaching aids designed **by teachers for teachers** at level 4. The worksheets are designed to support the delivery of the National Curriculum in a variety of teaching and learning styles. They are not designed to take the pedagogy away from the teacher. The worksheets are centred around the shown level, but spiral from the level below to the level above. Consult the National Numeracy Strategy for definitive National Curriculum levels. They can be used by parents with the support of the on-line help facility at [www.10ticks.co.uk](http://www.10ticks.co.uk).

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Interchanging units of weight/interchanging units of capacity.
- Pages 31/32. **Measuring Metric Units.**  
The first exercise is measuring to the nearest mm on the sheet. The second will need some planning, depending on which measuring instruments you have in your department. It will need to be discussed as to which measuring instrument is appropriate to which distances. Pupils should be encouraged to estimate distances first before measuring.  
Weights and capacities are always difficult in secondary school due to the expense of the measuring devices and nature of measuring. Hence the "Weights and Capacities at Home" section. Finally "My Measurements". This encourages pupils to discover their own personal measurements. Be sensitive to some pupils, they may not appreciate their weight being broadcast.
- Pages 33/34. **Adding and Subtracting Metric Units 1.**  
This sheet deals only with metric lengths.
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Multiplying all the metric units by numbers up to 10.
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- Page 41. **Walk the Plank.**  
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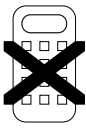
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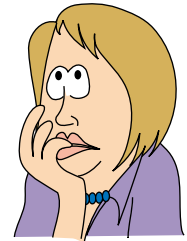
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## Place Value.



### A). Place Value.

Every number is made up of digits, and each digit has an "invisible" place value heading over it.

M	HTh	TTh	Th	H	T	U
4	7	1	9	8	3	2

We normally don't write these headings.

Here are what the letters stand for.

M - millions; HTh - hundred thousands; TTh - ten thousands; Th - thousands; H - hundreds; T - tens; U - units.

These headings tell what each part of the number is worth. E.g. in the number above, the 8 has a value of eight hundred and the 7 has a value of seven hundred thousand.

When we write in the place value headings we always start from the units digit and work from right to left.

For the following numbers write in the place value headings, **and** write the value of the digit underlined.

- |                       |                      |                       |                         |                      |
|-----------------------|----------------------|-----------------------|-------------------------|----------------------|
| 1). 5 <u>2</u>        | 2). <u>4</u> 9       | 3). <u>1</u> 7        | 4). 3 <u>9</u>          | 5). <u>2</u> 0       |
| 6). <u>4</u> 16       | 7). 9 <u>2</u> 7     | 8). <u>3</u> 01       | 9). <u>1</u> 5 <u>2</u> | 10). <u>8</u> 02     |
| 11). <u>3</u> 816     | 12). 2 <u>7</u> 58   | 13). 180 <u>4</u>     | 14). <u>6</u> 271       | 15). <u>3</u> 537    |
| 16). 726 <u>3</u> 1   | 17). <u>4</u> 5087   | 18). <u>9</u> 6331    | 19). <u>3</u> 8656      | 20). 26800           |
| 21). <u>5</u> 82654   | 22). 167 <u>3</u> 40 | 23). <u>6</u> 24882   | 24). 4726 <u>1</u> 1    | 25). <u>8</u> 71539  |
| 26). 150 <u>9</u> 642 | 27). <u>5</u> 371109 | 28). 7094 <u>3</u> 86 | 29). <u>6</u> 200962    | 30). <u>9</u> 328738 |
| 31). <u>7</u> 492     | 32). <u>9</u> 2      | 33). 740 <u>2</u> 69  | 34). <u>9</u> 385       | 35). <u>7</u> 43     |
| 36). <u>8</u> 935612  | 37). 6 <u>3</u> 924  | 38). <u>5</u> 72      | 39). <u>9</u> 2603      | 40). <u>6</u> 7      |
| 41). 54491            | 42). 320 <u>9</u>    | 43). 9428021          | 44). <u>8</u> 321       | 45). <u>4</u> 0092   |
| 46). <u>1</u> 82324   | 47). 792 <u>3</u> 3  | 48). <u>8</u> 702521  | 49). 17 <u>6</u> 97     | 50). <u>6</u> 21754  |

### B). Changing between Words and Figures.

Here are some spellings you may need.

One; two; three; four; five; six; seven; eight; nine; ten; eleven; twelve; thirteen; fourteen; fifteen; sixteen; seventeen; eighteen; nineteen; twenty; thirty; forty; fifty; sixty; seventy; eighty; ninety; hundred; thousand; million.

Write the following numbers in words.

- |              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|
| 1). 79       | 2). 81       | 3). 45       | 4). 12       | 5). 96       |
| 6). 546      | 7). 160      | 8). 851      | 9). 206      | 10). 738     |
| 11). 2734    | 12). 9461    | 13). 5657    | 14). 1945    | 15). 6812    |
| 16). 4501    | 17). 7036    | 18). 1780    | 19). 3007    | 20). 5080    |
| 21). 37913   | 22). 16582   | 23). 83395   | 24). 68241   | 25). 89254   |
| 26). 15056   | 27). 67205   | 28). 80531   | 29). 30683   | 30). 20604   |
| 31). 672945  | 32). 185638  | 33). 744694  | 34). 985625  | 35). 572968  |
| 36). 830612  | 37). 924004  | 38). 504682  | 39). 260034  | 40). 740350  |
| 41). 4919521 | 42). 3279391 | 43). 9427219 | 44). 8215538 | 45). 7925768 |
| 46). 2302467 | 47). 7092034 | 48). 8250170 | 49). 2107504 | 50). 9070907 |

Write the following numbers in figures.

- |                                    |                                  |              |                   |
|------------------------------------|----------------------------------|--------------|-------------------|
| 51). Forty nine                    | 52). Sixty eight                 | 53). Fifteen | 54). Eighty seven |
| 55). Two hundred and twenty five   | 56). Nine hundred and eighteen   |              |                   |
| 57). Seven hundred and forty three | 58). Six hundred and thirty four |              |                   |
| 59). One hundred and two           | 60). Three hundred and eight     |              |                   |



- 61). Four thousand six hundred and twelve  
 63). Two thousand four hundred and sixty one  
 65). Seven thousand one hundred and ninety two  
 67). Six thousand seven hundred  
 69). Eight thousand and fifty  
 71). Twenty six thousand four hundred and sixty two  
 73). Nineteen thousand six hundred and twenty five  
 75). Ninety one thousand five hundred and sixty seven  
 77). Sixty two thousand six hundred and nine  
 79). Forty thousand and fifty six  
 81). Nine hundred and fifty two thousand six hundred and eighty two  
 82). Six hundred and fifty eight thousand seven hundred and eighteen  
 83). Two hundred and thirteen thousand nine hundred and forty two  
 84). Seven hundred and thirty two thousand five hundred and seventy eight  
 85). One hundred and ninety eight thousand four hundred and thirty six  
 86). Five hundred thousand      87). Half a million      88). Quarter of a million  
 89). Two hundred and fifty thousand      90). Three quarters of a million  
 91). Four hundred and three thousand six hundred      92). Six hundred thousand two hundred and one  
 93). Eight hundred and fifty thousand and twelve      94). Nine hundred thousand one hundred and four  
 95). Six million five hundred thousand      96). Four million two thousand and seven  
 97). Eight million thirty two thousand and fifty      98). Two and a half million  
 99). One million fifteen thousand and eight      100). Nine million forty thousand and nineteen

### **C). Ordering numbers.**

Put the following numbers in **ascending** order (smallest to biggest).

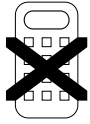
- 1). 57, 48, 61, 19, 73.      2). 28 83, 91, 47, 74.      3). 86, 39, 90, 37, 68.  
 4). 68, 105, 87, 37, 94.      5). 57, 116, 86, 109, 75.      6). 98, 175, 205, 89, 116.  
 7). 148, 205, 615, 198, 337.      8). 847, 609, 734, 458, 660.      9). 920, 806, 785, 699, 845.  
 10). 1035, 1305, 1503, 1530, 1350.      11). 4652, 5624, 4522, 5246, 5264.  
 12). 2344, 2434, 3244, 4423, 3424.      13). 5710, 5071, 5017, 7015, 1750.  
 14). 7048, 8407, 8704, 7840, 8074.      15). 9987, 9879, 9978, 9798, 9897.  
 16). 34451, 35144, 43415, 53144, 35441.      17). 26178, 18726, 27681, 26718, 17286.  
 18). 25683, 28653, 26853, 28356, 26358.      19). 47083, 48037, 47308, 43870, 48703.  
 20). 74380, 73804, 78403, 74803, 73840.      21). 89455, 94558, 85945, 95854, 85459.  
 22). 437671, 376714, 374761, 417367, 436177.      23). 192732, 213279, 229731, 192237, 231279.  
 24). 463029, 429203, 439029, 469230, 429302.      25). 673254, 653247, 654273, 637542, 657324.  
 26). 170603, 163007, 137600, 163070, 170063.      27). 944667, 964647, 944676, 966474, 964467.  
 28). 2316746, 3124667, 1766432, 2316674, 1667423.      29). 4237011, 3710142, 4310721, 2743110, 3711024.  
 30). 5678463, 5687643, 5487663, 5834667, 5738464.      31). 3907321, 3092713, 3912370, 3207139, 3210739.  
 32). 1004532, 1025403, 1050234, 1004234, 1020543.      33). 7550093, 7505039, 7095530, 7550309, 7093055.  
 34). Half a million, 97356, 679032, 1534368, 78978.      35). 98475, quarter of a million, 25789, 398876, 6988.  
 36). 579234, 85935, 929673, three quarters of a million, 1003472, 743689, 98754.

For each of the following questions, use the digits given **only once** to make

- a). the biggest number possible, **write this in figures and words.**  
 b). the smallest number possible, **write this in figures and words.**

- 37). 6, 2, 5, 9.      38). 6, 4, 8, 1.      39). 7, 0, 1, 8.      40). 4, 0, 0, 6.  
 41). 7, 2, 6, 9, 3.      42). 2, 7, 8, 2, 6.      43). 8, 6, 2, 6, 0.      44). 8, 5, 8, 3, 1.  
 45). 0, 4, 1, 7, 5, 6.      46). 8, 3, 6, 9, 1, 0.      47). 9, 3, 6, 1, 7, 7.      48). 4, 6, 4, 0, 0, 9.  
 49). 7, 2, 7, 3, 8, 7, 2.      50). 7, 5, 0, 3, 9, 4, 1.      51). 6, 0, 2, 1, 8, 5, 0.      52). 8, 3, 2, 7, 4, 8, 5.





## Multiplying and Dividing by 10, 100, 1000....



A). Multiply the following by **10**.

- |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|
| 1). 6       | 2). 9       | 3). 12      | 4). 22      | 5). 19      |
| 6). 14      | 7). 37      | 8). 42      | 9). 34      | 10). 85     |
| 11). 127    | 12). 174    | 13). 379    | 14). 832    | 15). 5524   |
| 16). 1403   | 17). 7056   | 18). 6153   | 19). 9728   | 20). 7241   |
| 21). 45983  | 22). 72985  | 23). 16026  | 24). 84983  | 25). 51843  |
| 26). 895782 | 27). 682091 | 28). 204831 | 29). 100478 | 30). 969152 |

B). Divide the following by **10**.

- |              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|
| 1). 40       | 2). 70       | 3). 50       | 4). 110      | 5). 150      |
| 6). 250      | 7). 340      | 8). 520      | 9). 380      | 10). 890     |
| 11). 1280    | 12). 2940    | 13). 5280    | 14). 9730    | 15). 5600    |
| 16). 38230   | 17). 20920   | 18). 32930   | 19). 83800   | 20). 73000   |
| 21). 456230  | 22). 927520  | 23). 183040  | 24). 238600  | 25). 383000  |
| 26). 7366920 | 27). 9883950 | 28). 7460040 | 29). 6291000 | 30). 3007500 |

C). Multiply the following by **100**.

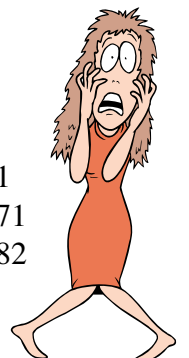
- |            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 1). 5      | 2). 3      | 3). 12     | 4). 24     | 5). 58     |
| 6). 64     | 7). 98     | 8). 77     | 9). 157    | 10). 209   |
| 11). 364   | 12). 674   | 13). 279   | 14). 935   | 15). 834   |
| 16). 1803  | 17). 3056  | 18). 2153  | 19). 7728  | 20). 8221  |
| 21). 5008  | 22). 9649  | 23). 16738 | 24). 28818 | 25). 30608 |
| 26). 94516 | 27). 40062 | 28). 23447 | 29). 90082 | 30). 40607 |

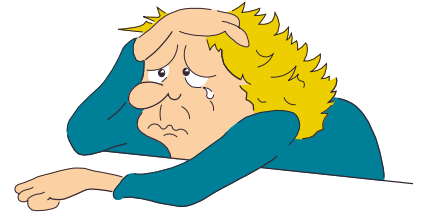
D). Divide the following by **100**.

- |              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|
| 1). 400      | 2). 700      | 3). 900      | 4). 1400     | 5). 1900     |
| 6). 2700     | 7). 2800     | 8). 4700     | 9). 5700     | 10). 8900    |
| 11). 9600    | 12). 6700    | 13). 15900   | 14). 33500   | 15). 78300   |
| 16). 38800   | 17). 60500   | 18). 81500   | 19). 275200  | 20). 522600  |
| 21). 454900  | 22). 902600  | 23). 106700  | 24). 2818700 | 25). 3464800 |
| 26). 1607500 | 27). 4060200 | 28). 2900700 | 29). 8020800 | 30). 4790000 |

E). Multiply the following by **1000**.

- |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|
| 1). 4     | 2). 2     | 3). 9     | 4). 14    | 5). 18    |
| 6). 27    | 7). 38    | 8). 46    | 9). 67    | 10). 59   |
| 11). 74   | 12). 82   | 13). 79   | 14). 87   | 15). 99   |
| 16). 103  | 17). 257  | 18). 153  | 19). 328  | 20). 201  |
| 21). 452  | 22). 1682 | 23). 2654 | 24). 4802 | 25). 1071 |
| 26). 3315 | 27). 4804 | 28). 6633 | 29). 9002 | 30). 9782 |





F). Divide the following by **1000**.

- |              |              |              |              |              |
|--------------|--------------|--------------|--------------|--------------|
| 1). 3000     | 2). 1000     | 3). 7000     | 4). 12000    | 5). 19000    |
| 6). 22000    | 7). 34000    | 8). 53000    | 9). 29000    | 10). 55000   |
| 11). 47000   | 12). 62000   | 13). 70000   | 14). 99000   | 15). 64000   |
| 16). 200000  | 17). 850000  | 18). 167000  | 19). 367000  | 20). 604000  |
| 21). 759000  | 22). 902000  | 23). 2754000 | 24). 2102000 | 25). 1731000 |
| 26). 5316000 | 27). 8042000 | 28). 8337000 | 29). 9501000 | 30). 7082000 |

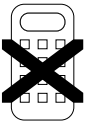
G). Copy the questions and work out the answer.

- |                        |                        |                        |                        |                          |
|------------------------|------------------------|------------------------|------------------------|--------------------------|
| 1). $4 \times 100$     | 2). $7 \times 10000$   | 3). $12 \times 1000$   | 4). $43 \times 10000$  | 5). $68 \times 100000$   |
| 6). $500 \div 100$     | 7). $70 \div 10$       | 8). $9000 \div 100$    | 9). $4300 \div 10$     | 10). $6000 \div 1000$    |
| 11). $76 \times 1000$  | 12). $56 \times 100$   | 13). $86 \times 10$    | 14). $53 \times 1000$  | 15). $25 \times 10000$   |
| 16). $720 \div 10$     | 17). $500 \div 100$    | 18). $8600 \div 100$   | 19). $5100 \div 10$    | 20). $57000 \div 1000$   |
| 21). $262 \times 100$  | 22). $541 \times 10$   | 23). $948 \times 1000$ | 24). $342 \times 100$  | 25). $702 \times 10000$  |
| 26). $2290 \div 10$    | 27). $6600 \div 100$   | 28). $700 \div 100$    | 29). $400 \div 100$    | 30). $70000 \div 1000$   |
| 31). $3503 \times 100$ | 32). $4023 \times 10$  | 33). $6003 \times 100$ | 34). $2401 \times 10$  | 35). $3057 \times 1000$  |
| 36). $6500 \div 100$   | 37). $7020 \div 10$    | 38). $9100 \div 100$   | 39). $3400 \div 100$   | 40). $257000 \div 1000$  |
| 41). $4046 \times 10$  | 42). $3642 \times 100$ | 43). $6054 \times 10$  | 44). $1102 \times 100$ | 45). $7391 \times 1000$  |
| 46). $4600 \div 10$    | 47). $3200 \div 100$   | 48). $6400 \div 100$   | 49). $1200 \div 10$    | 50). $6705400 \div 10$   |
| 51). $931 \times 100$  | 52). $26804 \times 10$ | 53). $4133 \times 100$ | 54). $3951 \times 100$ | 55). $490782 \times 100$ |
| 56). $9140 \div 10$    | 57). $6800 \div 100$   | 58). $4000 \div 1000$  | 59). $7100 \div 10$    | 60). $4340000 \div 1000$ |

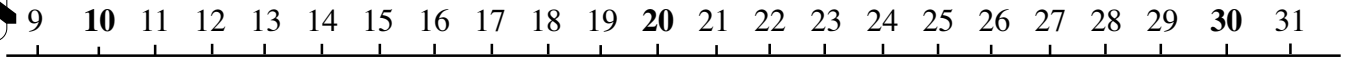
H). Copy the questions and fill in the missing values.

- |  |  |   |
|--|--|---|
| 1). $7 \times \underline{\quad} = 70$        | 2). $\underline{\quad} \times 100 = 600$     | 3). $5 \times 1000 = \underline{\quad}$       |
| 4). $1600 \div 100 = \underline{\quad}$      | 5). $\underline{\quad} \div 100 = 56$        | 6). $7300 \div \underline{\quad} = 730$       |
| 7). $\underline{\quad} \times 10 = 40$       | 8). $3 \times \underline{\quad} = 3000$      | 9). $\underline{\quad} \times 10000 = 40000$  |
| 10). $800 \div \underline{\quad} = 8$        | 11). $100 \div 10 = \underline{\quad}$       | 12). $63000 \div \underline{\quad} = 63$      |
| 13). $16 \times 1000 = \underline{\quad}$    | 14). $\underline{\quad} \times 100 = 5000$   | 15). $73 \times \underline{\quad} = 730$      |
| 16). $\underline{\quad} \div 100 = 720$      | 17). $64800 \div 100 = \underline{\quad}$    | 18). $\underline{\quad} \div 1000 = 963$      |
| 19). $\underline{\quad} \times 100 = 5600$   | 20). $68 \times 1000 = \underline{\quad}$    | 21). $\underline{\quad} \times 1000 = 953000$ |
| 22). $3130 \div \underline{\quad} = 313$     | 23). $\underline{\quad} \div 100 = 123$      | 24). $\underline{\quad} \div 10000 = 893$     |
| 25). $47 \times 10000 = \underline{\quad}$   | 26). $\underline{\quad} \times 10 = 6700$    | 27). $97 \times \underline{\quad} = 970000$   |
| 28). $\underline{\quad} \div 10 = 70$        | 29). $3000 \div \underline{\quad} = 30$      | 30). $\underline{\quad} \div 100 = 80$        |
| 31). $8 \times \underline{\quad} = 800$      | 32). $17 \times 1000 = \underline{\quad}$    | 33). $63 \times \underline{\quad} = 6300000$  |
| 34). $4700 \div 100 = \underline{\quad}$     | 35). $\underline{\quad} \div 10 = 6$         | 36). $9700 \div \underline{\quad} = 97$       |
| 37). $313 \times \underline{\quad} = 3130$   | 38). $\underline{\quad} \times 100 = 12300$  | 39). $\underline{\quad} \times 1000 = 893000$ |
| 40). $\underline{\quad} \div 100 = 341$      | 41). $\underline{\quad} \div 10 = 34$        | 42). $640000 \div 1000 = \underline{\quad}$   |
| 43). $475 \times \underline{\quad} = 47500$  | 44). $5 \times \underline{\quad} = 5000$     | 45). $2 \times 1000000 = \underline{\quad}$   |
| 46). $34000 \div 1000 = \underline{\quad}$   | 47). $56200 \div \underline{\quad} = 562$    | 48). $9030000 \div \underline{\quad} = 903$   |
| 49). $342 \times 10000 = \underline{\quad}$  | 50). $56 \times \underline{\quad} = 5600000$ | 51). $93 \times \underline{\quad} = 930000$   |
| 52). $47500 \div \underline{\quad} = 475$    | 53). $500000 \div \underline{\quad} = 5$     | 54). $21000 \div 100 = \underline{\quad}$     |
| 55). $\underline{\quad} \times 100 = 341000$ | 56). $\underline{\quad} \times 10 = 323400$  | 57). $601 \times 1000 = \underline{\quad}$    |
| 58). $6000000 \div \underline{\quad} = 6$    | 59). $\underline{\quad} \div 10000 = 56$     | 60). $930000 \div 10000 = \underline{\quad}$  |





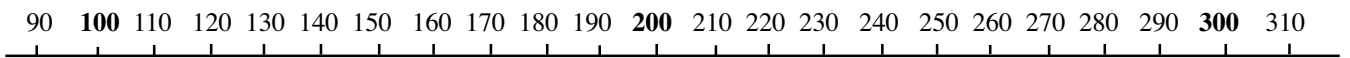
## Rounding to the Nearest 1, 10, 100 and 1000.



The number line above may help you solve the first ten questions of this section.

A). Round the following numbers to the **nearest 10**.

- |            |            |            |            |             |
|------------|------------|------------|------------|-------------|
| 1). 13     | 2). 23     | 3). 18     | 4). 26     | 5). 24      |
| 6). 17     | 7). 22     | 8). 14     | 9). 25     | 10). 15     |
| 11). 33    | 12). 8     | 13). 49    | 14). 62    | 15). 81     |
| 16). 35    | 17). 68    | 18). 37    | 19). 76    | 20). 85     |
| 21). 98    | 22). 117   | 23). 95    | 24). 103   | 25). 109    |
| 26). 134   | 27). 152   | 28). 121   | 29). 177   | 30). 234    |
| 31). 192   | 32). 206   | 33). 196   | 34). 295   | 35). 404    |
| 36). 372   | 37). 564   | 38). 588   | 39). 806   | 40). 998    |
| 41). 1243  | 42). 5258  | 43). 3697  | 44). 7265  | 45). 8395   |
| 46). 37546 | 47). 52497 | 48). 69995 | 49). 49992 | 50). 999995 |



The number line above may help you solve the first ten questions of this section.

B). Round the following numbers to the **nearest 100**.

- |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|
| 1). 140     | 2). 260     | 3). 180     | 4). 94      | 5). 246     |
| 6). 150     | 7). 263     | 8). 149     | 9). 252     | 10). 309    |
| 11). 345    | 12). 390    | 13). 79     | 14). 628    | 15). 819    |
| 16). 352    | 17). 615    | 18). 361    | 19). 750    | 20). 857    |
| 21). 985    | 22). 1243   | 23). 2145   | 24). 1072   | 25). 3920   |
| 26). 1050   | 27). 2152   | 28). 1321   | 29). 5779   | 30). 2350   |
| 31). 6929   | 32). 7061   | 33). 4626   | 34). 5680   | 35). 9094   |
| 36). 8728   | 37). 7964   | 38). 8588   | 39). 8958   | 40). 9978   |
| 41). 12425  | 42). 15278  | 43). 23795  | 44). 72650  | 45). 83950  |
| 46). 472465 | 47). 521970 | 48). 309950 | 49). 499926 | 50). 999961 |



The number line above may help you solve the first ten questions of this section.

C). Round the following numbers to the **nearest 1000**.

- |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|
| 1). 2300    | 2). 2900    | 3). 3400    | 4). 3637    | 5). 2396    |
| 6). 1978    | 7). 3921    | 8). 2500    | 9). 3601    | 10). 4109   |
| 11). 4368   | 12). 1764   | 13). 4904   | 14). 6194   | 15). 8500   |
| 16). 6500   | 17). 6876   | 18). 9437   | 19). 7650   | 20). 9543   |
| 21). 9500   | 22). 10351  | 23). 11726  | 24). 10672  | 25). 16421  |
| 26). 13483  | 27). 15500  | 28). 22167  | 29). 30782  | 30). 23462  |
| 31). 49268  | 32). 29683  | 33). 69679  | 34). 59500  | 35). 40499  |
| 36). 80836  | 37). 96398  | 38). 99500  | 39). 95907  | 40). 99821  |
| 41). 123436 | 42). 252500 | 43). 364971 | 44). 726258 | 45). 839905 |
| 46). 309546 | 47). 528497 | 48). 699500 | 49). 499499 | 50). 999501 |

D). Round the following numbers to the nearest a). 10 b). 100 c). 1000

- |            |             |            |             |            |
|------------|-------------|------------|-------------|------------|
| 1). 2643   | 2). 4472    | 3). 1658   | 4). 3261    | 5). 6524   |
| 6). 8175   | 7). 7229    | 8). 9649   | 9). 8925    | 10). 9095  |
| 11). 12604 | 12). 14937  | 13). 24805 | 14). 31658  | 15). 29743 |
| 16). 35498 | 17). 68555  | 18). 37525 | 19). 76358  | 20). 85042 |
| 21). 98625 | 22). 114782 | 23). 34507 | 24). 103858 | 25). 99694 |

The number line above may help you solve the first ten questions of this section.



E). Round the following numbers to the **nearest whole number**.

- |            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 1). 3.2    | 2). 3.7    | 3). 3.5    | 4). 4.8    | 5). 4.1    |
| 6). 3.9    | 7). 3.4    | 8). 4.2    | 9). 4.5    | 10). 5.1   |
| 11). 2.7   | 12). 2.3   | 13). 5.4   | 14). 5.5   | 15). 1.6   |
| 16). 1.4   | 17). 6.8   | 18). 3.6   | 19). 8.2   | 20). 7.3   |
| 21). 6.2   | 22). 9.3   | 23). 9.8   | 24). 9.5   | 25). 8.7   |
| 26). 10.4  | 27). 15.6  | 28). 14.4  | 29). 10.7  | 30). 13.1  |
| 31). 19.2  | 32). 22.7  | 33). 19.5  | 34). 23.3  | 35). 30.2  |
| 36). 35.5  | 37). 42.4  | 38). 58.7  | 39). 89.6  | 40). 49.5  |
| 41). 64.3  | 42). 75.8  | 43). 69.5  | 44). 72.5  | 45). 99.6  |
| 46). 125.2 | 47). 520.9 | 48). 309.4 | 49). 499.5 | 50). 999.7 |

F). 1). Copy and complete the table below showing football attendances in the F.A. Cup.

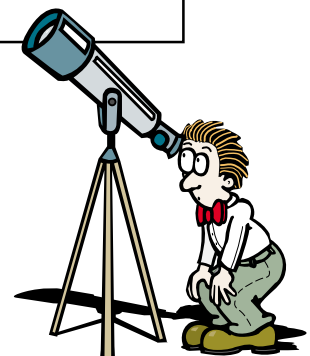
Match	Attendance			
	Actual	to nearest 10	to nearest 100	to nearest 1000
Arsenal v Everton	43 548			
Blackburn v Preston	29 682			
Bury v Fulham	8 605			
Chelsea v Southampton	34 524			
Derby v West Ham	23 458			
Liverpool v Hartlepool	46 227			
Man. Utd v Bolton	53 555			
Q.P.R. v Tottenham	18 274			
Rotherham v Blackpool	3 065			
Sunderland v Bristol R.	9 534			

2). Copy and complete the table below showing heights of mountains, in metres.

Mountain	Height, metres.			
	Actual	to nearest 10	to nearest 100	to nearest 1000
Everest	8856			
Cho Oyu	8153			
McKinley	6194			
Buna	5044			
Annapurna	8078			
Ben Nevis	1343			
Snowdon	1085			
Sca Fell	978			

3). Find the attendances at the last set of football fixtures and complete a table like question 1). for your data.

4). Find the lengths of 8 rivers and complete a table like question 2). for your data.







# Zap to Zero (Place Value).



The aliens are coming to town.

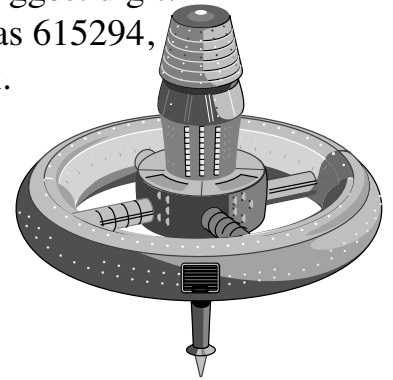
The only way to annihilate them is to **zap them to zero**.

Captain Slog keeps careful records of every alien's number he zaps.

He is very orderly about it. He always zaps the smallest digit first in the alien's number. He then works his way up to the biggest digit.

His last encounter was with the alien formerly known as 615294, a cheeky green chappie from the planet Geek.

Here is Captain Slog's Log.



Keys Used	Calculator Display
<b>Start</b>	615294
- 10000	
take ten thousand	605294
- 200	
take two hundred	605094
- 4	
take four	605090
- 5000	
take five thousand	600090
- 600000	
take six hundred thousand	90
- 90	
take ninety	0

*Aliens Trashed!*

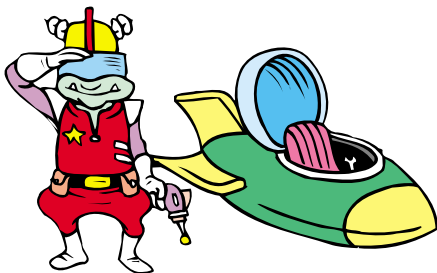
Here are the Captain's Rules of Encounter.

- 1). Enter the alien's number into your calculator.
- 2). You zap an alien by turning it into zeros.
- 3). You can only zap an alien by **subtracting**.
- 4). The alien's number has to be zapped from smallest to biggest digit.
- 5). All zapping must be recorded in Captain Slog's Log in figures **and words**.
- 6). **Only the brave survive.**

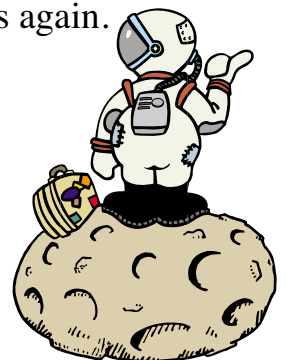
Oh dear those naughty Geeks are attacking Earth's defences again.

Captain Slog is on holiday.

Only you can help.



## *Be ruthless.*



Here are the names of the "alien eight".

- |            |            |             |             |
|------------|------------|-------------|-------------|
| 1). 3158   | 2). 6914   | 3). 71469   | 4). 93264   |
| 5). 839216 | 6). 493157 | 7). 1597248 | 8). 8175936 |

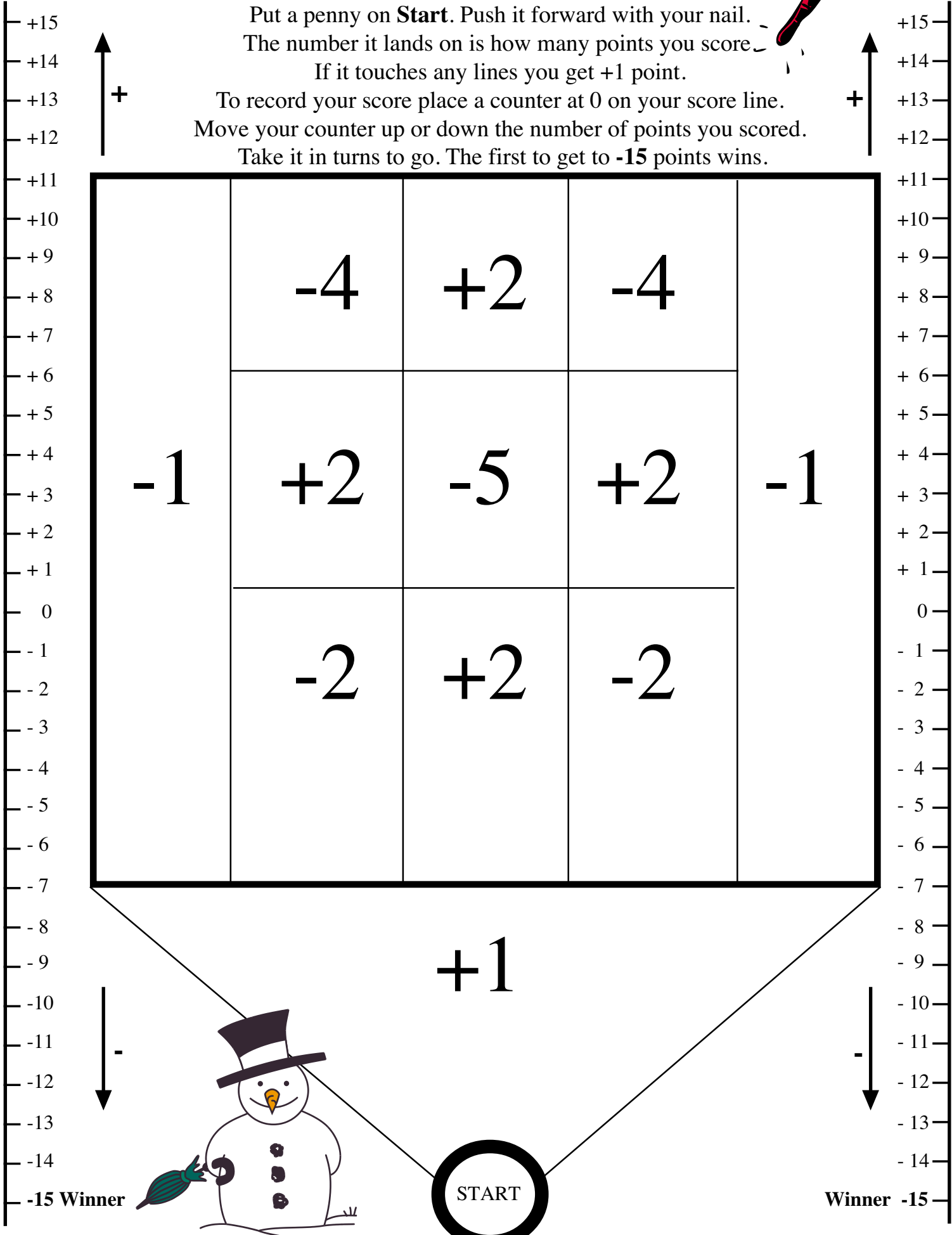
Player 1  
Score

# MINUS 15

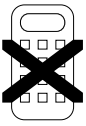
Player 2  
Score



Put a penny on **Start**. Push it forward with your nail.  
 The number it lands on is how many points you score.  
 If it touches any lines you get +1 point.  
 To record your score place a counter at 0 on your score line.  
 Move your counter up or down the number of points you scored.  
 Take it in turns to go. The first to get to **-15** points wins.

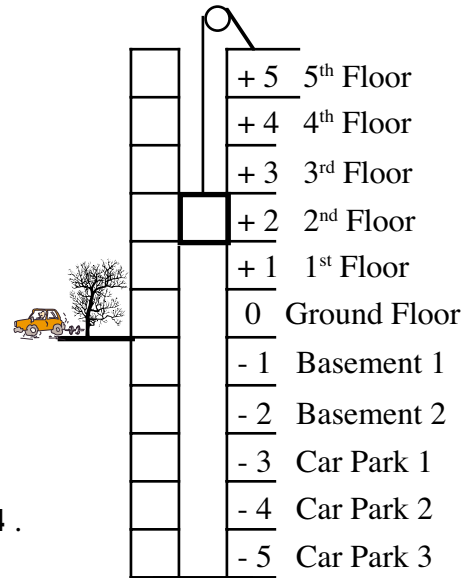
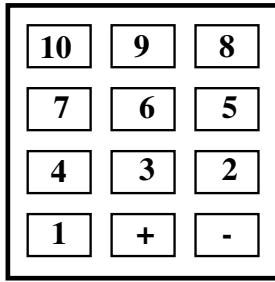
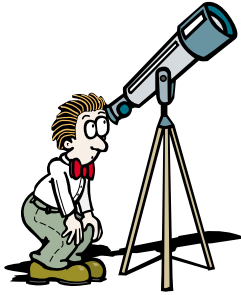






# The Lift.

Here is a diagram of a lift that services this building.  
The lift is run from the control panel below.  
The control panel is different from the usual lift control panels.



If I wanted to go from Basement 1 to the 3<sup>rd</sup> Floor, I'd press **+ 4** .  
If I wanted to go from the 4<sup>th</sup> Floor to Car Park 2, I'd press **- 8** .

- What buttons would I press on the lift control panel if I wanted to go from
  - Car Park 3 to Basement 2,
  - Car Park 1 to the Ground Floor,
  - 1<sup>st</sup> Floor to 5<sup>th</sup> Floor,
  - Car Park 2 to 3<sup>rd</sup> Floor,
  - 4<sup>th</sup> Floor to 1<sup>st</sup> Floor,
  - 5<sup>th</sup> Floor to Basement 2,
  - Car Park 1 to 5<sup>th</sup> Floor,
  - Ground Floor to Car Park 3,
  - Basement 1 to 5<sup>th</sup> Floor,
  - 5<sup>th</sup> Floor to CarPark 3,

(The number of the floor will now be used instead of the floor name).

- |                 |                 |                 |                  |
|-----------------|-----------------|-----------------|------------------|
| k). + 3 to + 5, | l). - 3 to + 1, | m). + 4 to - 3, | n). - 3 to + 5,  |
| o). + 2 to 0,   | p). - 3 to + 4, | q). - 5 to + 2, | r). + 1 to - 4,  |
| s). - 3 to + 5, | t). 0 to - 5,   | u). + 2 to + 5, | v). - 3 to - 5,  |
| w). - 4 to + 5, | x). + 3 to - 5  | y). - 5 to + 5, | z). + 4 to - 5 ? |

- Which floor will I arrive at, if I'm at
  - 2<sup>nd</sup> Floor and press + 3 ,
  - Car Park 1 and press + 6,
  - 1<sup>st</sup> Floor and press - 2,
  - Basement 2 and press - 3,
  - 5<sup>th</sup> Floor and press - 7,
  - Car Park 2 and press + 6,
  - Ground Floor and press - 4,
  - Car Park 3 and press + 9,

(The number of the floor will now be used instead of the floor name).

Give your answer as the floor number **not** the floor name).

- |                        |                         |                         |
|------------------------|-------------------------|-------------------------|
| i). + 2 and press + 1, | j). - 3 and press + 5,  | k). + 4 and press - 2,  |
| l). - 4 and press + 3, | m). 0 and press - 3,    | n). + 2 and press + 3,  |
| o). - 1 and press - 4, | p). - 5 and press + 9,  | q). - 2 and press + 7,  |
| r). + 1 and press - 6, | s). + 1 and press + 2,  | t). - 1 and press + 3,  |
| u). - 1 and press - 3, | v). 0 and press + 5,    | w). + 4 and press - 7,  |
| x). - 3 and press + 6, | y). - 5 and press + 10, | z). + 5 and press - 9 ? |



- Copy and complete the tables below.

- 
- 

Start Floor	Buttons Pressed	Arrive Floor
Basement 2	+ 3	
Car Park 1		2 <sup>nd</sup> Floor
	- 4	Car Park 3
5 <sup>th</sup> Floor		Car Park 1
	+ 8	4 <sup>th</sup> Floor
	- 7	Basement 2
Car Park 2	+ 4	

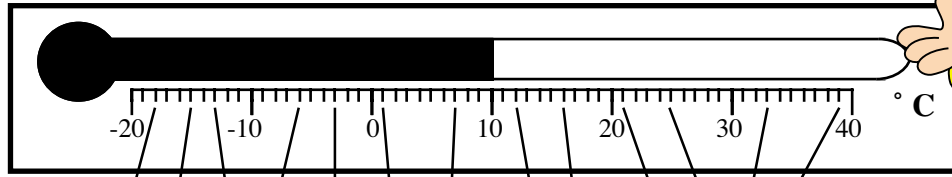
Start Floor	Buttons Pressed	Arrive Floor
+ 2		- 3
- 3	+ 7	
	+ 6	+ 5
- 4		- 5
	- 5	- 2
	- 9	- 4
+ 3	- 4	



# The Thermometer.



1). Read the temperatures a).- m). on the thermometer below.

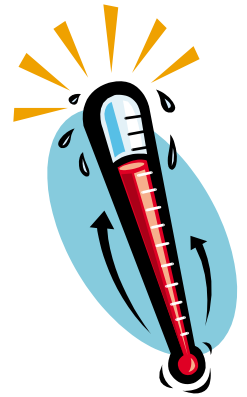


l). m). h). j). g). d). b). a). e). i). c). k). f).

You may find using the thermometer above will help you answer the following questions.

2). Calculate the new temperature if the temperature now is

- |                                    |                                    |
|------------------------------------|------------------------------------|
| a). 5°C and it rises by 10°,       | b). 20°C and it rises by 14°C,     |
| c). 10°C and it cools down by 9°,  | d). 5°C and it cools down by 7°,   |
| e). 18°C and it cools down by 19°, | f). -10°C and it rises by 15°,     |
| g). -5°C and it cools down by 5°,  | h). -15°C and it rises by 20°,     |
| i). 30°C and it cools down by 40°, | j). -4°C and it rises by 12°,      |
| k). -3°C and it cools down by 8°,  | l). 7°C and it rises by 12°,       |
| m). -11°C and it rises by 6°,      | n). -2°C and it cools down by 14°, |
| o). -8°C and it cools down by 11°, | p). -14°C and it rises by 30°,     |
| q). -6°C and it rises by 13°,      | r). 32°C and it cools down by 40°, |
| s). -7°C and it cools down by 11°, | t). -16°C and it rises by 43°.     |



3). State whether it has warmed up or cooled down **and** by how many degrees if the temperature goes from

- |                    |                    |                      |
|--------------------|--------------------|----------------------|
| a). 6°C to 12 °C , | b). 21°C to 30°C,  | c). 31°C to 25°C,    |
| d). 35°C to 19°C,  | e). 5°C to -3°C,   | f). -2°C to 8°C,     |
| g). 12°C to -1°C,  | h). -6°C to 7°C,   | i). 12°C to 17°C,    |
| j). -4°C to -11°C, | k). -6°C to 0°C,   | l). 14°C to 2°C,     |
| m). -13°C to 8°C,  | n). 3°C to -9°C,   | o). -9°C to -3°C,    |
| p). 7°C to 36°C,   | q). -4°C to 15 °C, | r). 6°C to - 7°C,    |
| s). -17°C to -2°C, | t). -6°C to -15°C, | u). - 10°C to -13°C, |
| v). -4°C to -20°C, | w). 4°C to -13°C,  | x). -13°C to 17°C.   |

4). Copy and complete the tables below.

Table 1.

Temperature	Change	New Temperature
6°C	Rise 8°	
4°C	Fall 7°	
	Fall 12°	2°C
-5°C		9°C
	Rise 4°	-3°C
8°C	Rise 15°	
	Fall 9°	-2°C
6°C	Fall 13°	
	- 6°	7°C
-7°C	+ 15°	
	- 7°	-2°C
-5°C		23°C
-1°C		-17°C
	+ 11°	3°C
-3°C		-14°C

Table 2.

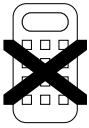
Temperature	Change	New Temperature
-5°C		-11°C
	+ 9°	6°C
	-6°	8°C
9°C		-4°C
- 5°C		-2°C
	- 14°	-3°C
	+ 8°	- 9°C
6°C		38°C
13°C		- 7°C
-18°C	+ 24°	
	-23°	-18°C
-6°C		-20°C
	+ 35°	21°C
15°C		-19°C
	+ 47°	32°C

### **Mathematical Spellings needed at Level Four.**

Acute	Eighteen	Horizontal	One	Sixty
Add	Eighty	Kilogram	Parallel	South
Addition	Eleven	Kilometre	Parallelogram	Sphere
Angle	Equation	Kite	Pentagon	Square
Arc	Equilateral	Length	Percentage	Subtract
Area	Equivalent	Likelihood	Perimeter	Subtraction
Capacity	Estimate	Likely	Perpendicular	Sum
Centimetre	Estimation	Litre	Polygon	Survey
Certain	Evens	Median	Probability	Symmetry
Chord	Face	Metre	Product	Ten
Circle	Factors	Milligram	Pyramid	Thirteen
Circumference	Fair	Millilitre	Quadrilateral	Thirty
Cone	Fifteen	Millimetre	Radius	Thousand
Congruent	Fifty	Million	Range	Three
Coordinate	Five	Mode	Rectangle	Trapezium
Cube	Forty	Multiple	Reflex	Triangle
Cuboid	Four	Multiplication	Rhombus	Triangular Prism
Data	Fourteen	Multiply	Right Angle	Twelve
Decagon	Frequency	Nets	Rotational	Twenty
Decimal Place	Fraction	Nine	Sector	Two
Diameter	Gram	Nineteen	Segment	Unlikely
Divide	Graph	Ninety	Seven	Vertex
Division	Heptagon	Nonagon	Seventeen	Vertical
East	Hexagon	North	Seventy	Weight
Edge	Hundred	Obtuse	Six	West
Eight	Isosceles	Octagon	Sixteen	Width

### **Mathematical Spellings needed at Level Four.**

Acute	Eighteen	Horizontal	One	Sixty
Add	Eighty	Kilogram	Parallel	South
Addition	Eleven	Kilometre	Parallelogram	Sphere
Angle	Equation	Kite	Pentagon	Square
Arc	Equilateral	Length	Percentage	Subtract
Area	Equivalent	Likelihood	Perimeter	Subtraction
Capacity	Estimate	Likely	Perpendicular	Sum
Centimetre	Estimation	Litre	Polygon	Survey
Certain	Evens	Median	Probability	Symmetry
Chord	Face	Metre	Product	Ten
Circle	Factors	Milligram	Pyramid	Thirteen
Circumference	Fair	Millilitre	Quadrilateral	Thirty
Cone	Fifteen	Millimetre	Radius	Thousand
Congruent	Fifty	Million	Range	Three
Coordinate	Five	Mode	Rectangle	Trapezium
Cube	Forty	Multiple	Reflex	Triangle
Cuboid	Four	Multiplication	Rhombus	Triangular Prism
Data	Fourteen	Multiply	Right Angle	Twelve
Decagon	Frequency	Nets	Rotational	Twenty
Decimal Place	Fraction	Nine	Sector	Two
Diameter	Gram	Nineteen	Segment	Unlikely
Divide	Graph	Ninety	Seven	Vertex
Division	Heptagon	Nonagon	Seventeen	Vertical
East	Hexagon	North	Seventy	Weight
Edge	Hundred	Obtuse	Six	West
Eight	Isosceles	Octagon	Sixteen	Width



# Money and Decimals.

## Pounds to Pence.

Convert each of the following amounts into pence.

- |             |             |             |             |             |
|-------------|-------------|-------------|-------------|-------------|
| 1). £ 0.45  | 2). £ 0.56  | 3). £ 0.16  | 4). £ 0.38  | 5). £ 0.83  |
| 6). £ 0.50  | 7). £ 0.80  | 8). £ 0.10  | 9). £ 0.90  | 10). £ 0.30 |
| 11). £ 0.05 | 12). £ 0.08 | 13). £ 0.03 | 14). £ 0.06 | 15). £ 0.01 |
| 16). £ 0.63 | 17). £ 0.07 | 18). £ 0.60 | 19). £ 0.20 | 20). £ 0.02 |
| 21). £ 1.23 | 22). £ 1.56 | 23). £ 1.67 | 24). £ 2.14 | 25). £ 2.51 |
| 26). £ 1.10 | 27). £ 1.50 | 28). £ 1.80 | 29). £ 2.20 | 30). £ 2.70 |
| 31). £ 1.07 | 32). £ 1.03 | 33). £ 1.08 | 34). £ 2.04 | 35). £ 3.09 |
| 36). £ 4.35 | 37). £ 3.60 | 38). £ 4.06 | 39). £ 5.30 | 40). £ 4.01 |



## Pence to Pounds.

Convert each of the following amounts into pounds.



- |            |            |            |            |            |
|------------|------------|------------|------------|------------|
| 1). 63 p   | 2). 23 p   | 3). 85 p   | 4). 34 p   | 5). 92 p   |
| 6). 70 p   | 7). 10 p   | 8). 60 p   | 9). 40 p   | 10). 80 p  |
| 11). 6 p   | 12). 2 p   | 13). 8 p   | 14). 4 p   | 15). 9 p   |
| 16). 47 p  | 17). 20 p  | 18). 3 p   | 19). 50 p  | 20). 1 p   |
| 21). 118 p | 22). 173 p | 23). 149 p | 24). 262 p | 25). 219 p |
| 26). 140 p | 27). 110 p | 28). 190 p | 29). 240 p | 30). 320 p |
| 31). 102 p | 32). 107 p | 33). 201 p | 34). 208 p | 35). 309 p |
| 36). 421 p | 37). 320 p | 38). 506 p | 39). 690 p | 40). 510 p |

## Ordering Money.

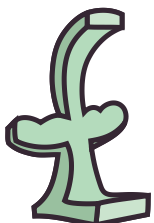
Put these amounts of money in ascending order (smallest to biggest).

- |                                    |                                    |
|------------------------------------|------------------------------------|
| 1). 28 p, £ 0.30, £ 0.18, 15 p.    | 2). £ 0.34, 45 p, 39 p, £ 0.38.    |
| 3). 67 p, 89 p, £ 0.53, £ 0.60     | 4). £ 0.10, 8 p, £ 0.06, 9 p.      |
| 5). £ 0.40, 39 p, £ 0.35, 47 p.    | 6). 93 p, £ 0.90, 100 p, £ 1.01.   |
| 7). 111 p, £ 1.09, 120 p, £ 1.30.  | 8). £ 1.30, 103 p, 125 p, £ 1.18.  |
| 9). 141 p, £ 1.05, £ 1.61, 129 p.  | 10). £ 1.09, 180 p, 119 p, £ 1.40. |
| 11). 210 p, £ 1.98, £ 2.00, 187 p. | 12). 203 p, £ 2.10, 198 p, £ 2.01. |
| 13). 230 p, £ 2.09, £ 2.35, 206 p. | 14). 309 p, 340 p, £ 2.99, £ 3.30. |
| 15). £ 4.07, 369 p, 410 p, £ 4.70. | 16). 328 p, £ 2.67, 401 p, £ 3.61. |
| 17). £ 4.56, £ 5.04, 387 p, 470 p. | 18). £ 4.27, 287 p, 301 p, £ 3.98. |
| 19). 620 p, £ 7.04, 578 p, £6.02.  | 20). £ 5.03, 502 p, £ 5.30, 520 p. |

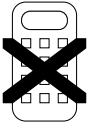


## Adding Money.

Copy and calculate the following sums.



- |  |  |  |  |
|--|--|--|--|
| 1). £ 1.32<br><u>£ 2.56</u> +<br>_____ | 2). £ 2.24<br><u>£ 1.75</u> +<br>_____ | 3). £ 3.63<br><u>£ 4.15</u> +<br>_____ | 4). £ 3.72<br><u>£ 2.06</u> +<br>_____ |
| 5). £ 3.45 + £ 2.41                    | 6). £ 1.30 + £ 3.58                    | 7). £ 6.08 + £ 2.61                    |  |
| 8). £ 4.34 + £ 3.15                    | 9). £ 5.08 + £ 3.60                    | 10). £ 7.25 + £ 2.64                   |  |



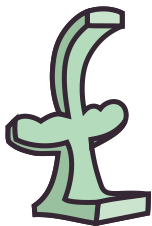
- |   |   |   |   |
|---|---|---|---|
| 11). £ 2.46<br><u>£ 1.37</u> +<br>_____ | 12). £ 3.13<br><u>£ 1.69</u> +<br>_____ | 13). £ 3.73<br><u>£ 2.83</u> +<br>_____ | 14). £ 4.48<br><u>£ 3.73</u> +<br>_____ |
| 15). £ 2.65 + £ 2.29                    | 16). £ 1.57 + £ 4.18                    | 17). £ 5.36 + £ 3.68                    |   |
| 18). £ 3.78 + £ 3.64                    | 19). £ 4.98 + £ 2.81                    | 20). £ 6.75 + £ 1.63                    |   |
| 21). £ 3.55<br><u>£ 1.68</u> +<br>_____ | 22). £ 2.64<br><u>£ 2.77</u> +<br>_____ | 23). £ 4.65<br><u>£ 2.97</u> +<br>_____ | 24). £ 5.73<br><u>£ 2.48</u> +<br>_____ |
| 25). £ 3.66 + £ 2.86                    | 26). £ 1.95 + £ 5.65                    | 27). £ 4.48 + £ 3.67                    |   |
| 28). £ 6.73 + £ 3.57                    | 29). £ 7.56 + £ 4.85                    | 30). £ 6.78 + £ 7.97                    |   |
| 31). £ 2.36 + 136 p                     | 32). 342 p + £ 3.28                     | 33). £ 3.54 + 262 p                     |   |
| 34). 305 p + £ 4.36                     | 35). £ 5.34 + 278 p                     | 36). 368 p + £ 2.57                     |   |
| 37). £ 4.55 + 370 p                     | 38). 512 p + £ 4.99                     | 39). £ 6.73 + 428 p                     |   |
| 40). 730 p + £ 5.12                     | 41). £ 6.58 + 703 p                     | 42). 789 p + £ 9.65                     |   |



### **Subtracting Money.**

Copy and calculate the following sums.

- |   |   |   |   |
|---|---|---|---|
| 1). £ 3.65<br><u>£ 1.52</u> -<br>_____  | 2). £ 4.56<br><u>£ 1.32</u> -<br>_____  | 3). £ 3.68<br><u>£ 2.65</u> -<br>_____  | 4). £ 5.72<br><u>£ 2.32</u> -<br>_____  |
| 5). £ 3.84 - £ 2.41                     | 6). £ 7.33 - £ 3.23                     | 7). £ 6.78 - £ 4.66                     |   |
| 8). £ 8.46 - £ 3.25                     | 9). £ 5.98 - £ 2.60                     | 10). £ 7.65 - £ 2.64                    |   |
| 11). £ 5.46<br><u>£ 2.18</u> -<br>_____ | 12). £ 8.26<br><u>£ 3.73</u> -<br>_____ | 13). £ 6.48<br><u>£ 2.83</u> -<br>_____ | 14). £ 5.67<br><u>£ 1.09</u> -<br>_____ |
| 15). £ 4.67 - £ 2.38                    | 16). £ 6.48 - £ 4.93                    | 17). £ 5.36 - £ 3.08                    |   |
| 18). £ 8.94 - £ 5.37                    | 19). £ 9.58 - £ 2.81                    | 20). £ 6.75 - £ 1.69                    |   |
| 21). £ 4.36<br><u>£ 2.38</u> -<br>_____ | 22). £ 7.36<br><u>£ 2.77</u> -<br>_____ | 23). £ 4.04<br><u>£ 1.25</u> -<br>_____ | 24). £ 7.00<br><u>£ 3.65</u> -<br>_____ |
| 25). £ 4.57 - £ 1.89                    | 26). £ 6.34 - £ 5.65                    | 27). £ 6.00 - £ 3.67                    |   |
| 28). £ 9.00 - £ 7.57                    | 29). £ 8.56 - £ 4.87                    | 30). £ 9.06 - £ 7.99                    |   |
| 31). £ 4.56 - 274 p                     | 32). 342 p - £ 1.51                     | 33). £ 4.07 - 193 p                     |   |
| 34). 693 p - £ 3.76                     | 35). £ 5.34 - 278 p                     | 36). 562 p - £ 2.65                     |   |
| 37). £ 5.00 - 370 p                     | 38). 700 p - £ 3.38                     | 39). £ 5.05 - 329 p                     |   |
| 40). 900 p - £ 6.12                     | 41). £ 6.08 - 409 p                     | 42). 800 p - £ 6.65                     |   |



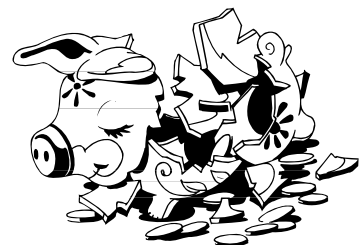




## Money and Decimals. Worded Questions.



- 1). John bought a book for £3.12. How many pence is this ?
- 2). Bill paid 104 p for a cake. What is this amount written in £'s ?
- 3). Bobby, Ben, Barbara and Beth compare pocket money. Bobby gets 245p, Ben gets £2.54, Barbara gets 250p and Beth gets £2.05. Put these in order of least to most.
- 4). Jingle magazine costs 146p, Dingle magazine costs £1.09, Single magazine costs £1.64 and Mingle magazine costs 190p. Put these in order of least to most.
- 5). How much change would you get from a £1 coin if you spend, (leave your answer in pence),  
a). 40p      b). 55p      c). 46p      d). 83p      e). 74p ?
- 6). How much change would you get from a £ 1 coin if you spend, (leave your answer in £'s ),  
a). £ 0.20      b). £ 0.65      c). £ 0.34      d). £ 0.47      e). £ 0.68 ?
- 7). Emma buys a plastic spade for 68 p. She pays with a £1 coin.  
How much change does she get ?
- 8). Vicky buys a comb for £ 0.73. She pays with a £1 coin. How much change does she get ?
- 9). Lynne buys three chocolate bars at 31 p each.  
a). How much do the chocolate bars cost altogether ?  
b). How much change does she get from a £1 coin ?
- 10). Lesley buys 4 items from the grocers costing 12p, 38p, 15p and 22p.  
a). How much does everything cost altogether ?  
b). How much change does she get from a £1 coin ?
- 11). Jill buys two comics at the newsagents. One costs 45p and the other 37p.  
a). How much does she spend on comics altogether ?  
b). How much change does she get from a £1 coin ?
- 12). Danny buys three packets of sweets at the newsagents. They cost 26p, 42p and 31p.  
a). How much does he spend on sweets altogether ?  
b). How much change does he get from a £1 coin ?
- 13). Keith buys three items from the shops costing £ 0.21, £ 0.43 and £ 0.07.  
a). How much does he spend altogether ?  
b). How much change does he get from a £1 coin ?
- 14). How much change would you get from a £ 5 note if you spend, (leave your answer in pence),  
a). 210p      b). 340p      c). 145p      d). 416p      e). 312p ?
- 15). How much change would you get from a £ 5 note if you spend, (leave your answer in £'s ),  
a). £ 3.60      b). £ 1.10      c). £ 2.05      d). £ 1.72      e). £ 3.79 ?



- 16). Ron buys a plate in a second hand shop for £ 2.35. He pays with a £ 5 note. How much change does he get ?

17). Julian pays the newsagent 347p for comics. He pays with a £ 5 note. How much change does he get ?

18). Jenny buys four small toys at a toy shop costing 90p, 110p, 154p and 115p.  
a). How much does she spend altogether on toys ?  
b). How much change does she get from a £ 5 note ?

19). Alex buys three bottles of shampoo costing £ 1.40, £ 0.50 and £ 2.23.  
a). How much does she spend on shampoo altogether ?  
b). How much change does she get from a £ 5 note ?



20). Adam buys four magazines at a newsagents costing £ 0.70, £ 1.40, £ 0.50 and £ 2.12.  
a). How much does he spend altogether on magazines ?  
b). How much change does he get from a £ 5 note ?

21). Jean buys four items at a shop costing 84p, £ 1.12, £ 2.05 and 26p.  
a). How much does she spend altogether ?  
b). How much change does she get from a £ 5 note ?



22). How much change would you get from a £10 note if you spend, (leave your answer in pence),  
a). 350p      b). 630p      c). 835p      d). 218p      e). 704p ?

23). How much change would you get from a £10 note if you spend, (leave your answer in £'s ),  
a). £ 7.60      b). £ 3.90      c). £ 4.55      d). £ 8.07      e). £ 1.63 ?

24). Bill buys a plate in a department store for £ 6.35. He pays with a £10 note. How much change does he get ?

25). Steve is charged 659p for a meal. He pays with a £10 note. How much change does he get ?

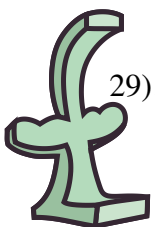
26). Mel buys two files costing 430p and 350p.  
a). How much does she spend altogether on files ?  
b). How much change does she get from a £10 note ?

27). Jimmy buys three pairs of socks costing 120p, 360p and 240p.  
a). How much does he spend altogether on socks ?  
b). How much change does he get from a £10 note ?

28). Ronan buys three second hand C.D.'s costing £ 3.40, £ 2.50 and £ 1.00.  
a). How much does he spend altogether on C.D.'s ?  
b). How much change does he get from a £10 note ?



29). Elizabeth buys four lots of hair colouring costing £ 1.70, £ 2.30, £ 1.50 and £ 3.00.  
a). How much does she spend altogether ?  
b). How much change does she get from a £10 note ?



30). Daisy buys three magazines costing 110p, £ 3.60 and £ 2.80.  
a). How much does she spend altogether on magazines ?  
b). How much change does she get from a £ 10 note ?

31). Walter buys four canisters of deodorant costing 60p, £ 1.70, £ 3.40 and 260p.  
a). How much does he spend altogether on deodorant ?  
b). How much change does he get from a £ 10 note ?





# Money and Your Calculator.

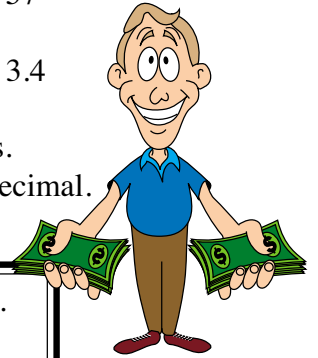


Calculators do not show amounts of money in the usual way.  
They show the amount of pounds or pence on the display.  
Here is how to enter money in to your calculator.

Amount of money.	Buttons pressed on the calculator.	The display shows this.
£ 2.03	$\boxed{2} \boxed{.} \boxed{0} \boxed{3} \boxed{=}$	2.03
57p	$\boxed{5} \boxed{7} \boxed{=}$	57
£ 3.40	$\boxed{3} \boxed{.} \boxed{4} \boxed{0} \boxed{=}$	3.4



The calculator does not know you are doing money calculations.  
So £ 3.40 is written 3.4. The calculator puts this number as a simple decimal.



If you enter an amount in pounds, the answer will be in pounds.  
If you enter an amount in pence, the answer will be in pence.

A. Write down the buttons you have to press on a calculator to show the following amounts of money.

- 1). £ 2.58    2). £ 3.42    3). £ 5.63    4). £ 6.37    5). £ 4.05  
6). £ 4.50    7). £ 3.07    8). £ 3.70    9). £ 12.56    10). £ 13.92

B. Type the following amounts of money into your calculator. After pressing the  $\boxed{=}$  button what does your calculator display show ?

- 1). £ 2.87    2). £ 3.56    3). £ 3.90    4). £ 3.09    5). £ 1.65  
6). £ 2.50    7). £ 2.05    8). £ 0.70    9). £ 4.09    10). £ 0.09  
11). £ 8.00    12). £ 12.50    13). £ 80.00    14). £ 17.40    15). £ 20.80

C. Here are the displays of 15 calculators. They have all had amounts in £'s entered into them. Write down the amount of money each display shows as real money, e.g. £ 4.25.

- 1). 1.87    2). 0.95    3). 3.56    4). 1.3    5). 2.6  
6). 2.06    7). 9.05    8). 0.4    9). 7.2    10). 9  
11). 0.1    12). 4.06    13). 0.06    14). 5.72    15). 14.7

D. Use your calculator to solve these problems.

- Jack buys two ice creams at 78p each. How much does he spend  
a). in pence,    b). in £'s ?
- Harriet buys three books each costing £ 1.25. How much does she spend  
a). in £'s,    b). in pence ?
- Shabnum buys two C.D.'s both costing £ 9.70. How much does she spend in total ?



- 4). Jane spends £ 14.68 in a computer game shop. She pays with a £ 20 note. How much change should she get back ?
- 5). Jill buys 4 tickets to a concert. Each ticket costs £ 15.80. How much do all the tickets cost in total ?
- 6). James checks the bill from a supermarket. These are the prices of the 5 items he buys:- £ 4.75, £ 2.97, £ 6.96, £ 2.99 and £ 1.07. What total should the bill show ?
- 7). Harry spends £ 87 on 6 tickets to a concert. How much does each ticket cost ?
- 8). Joshua has £ 40.50. First he spends £ 9.50 in a record shop and then he spends £ 12.80 on food shopping. How much does he have left at the end of his shopping trip?
- 9). Sarah has £ 41.04 to spend equally on her 9 best friends. How much does she spend on each of her friends ?
- 10). Bill and Jenny are having a race to see who can type money into their calculator the quickest. These are the amounts of money they have to add up :- £ 1.67, £ 12.15, £ 4.95, £ 6.80, £15.00, £1.27 and £ 0.64. What is the total that each person should get on their calculator ?



- 11). Six friends share a taxi home. The fare comes to £ 13.80. They share this equally between them. How much does each one pay ?
- 12). Henry spends £ 32.50 on a telescope and £ 7.83 on a telescope case.
  - a). How much does he spend altogether ?
  - b). How much change does he get from a £ 50 note ?



- 13). Aisha spends £ 12.50, 95 p and £ 2.62 at a shop.
  - a). How much does she spend altogether ?
  - b). How much change does she get from a £ 20 note ?
- 14). Kenny buys four items at the newsagents. He spends £ 3.52 , 85p, 72p and £ 4.73.
  - a). How much does he spend altogether ?
  - b). How much change does he get from a £ 10 note ?
- 15). In a second hand shop Alexander buys 2 books at £ 6.59 each and 5 at £2.19 each.
  - a). How much does he spend altogether ?
  - b). How much change does he get from a £ 50 note ?



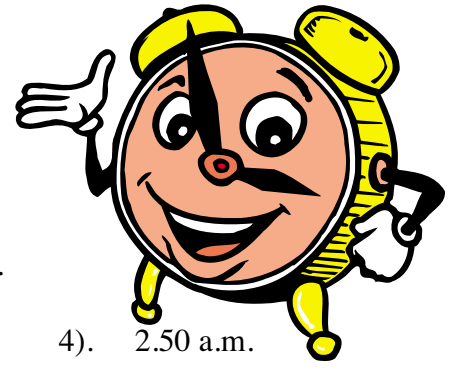
- 16). Thelma buys 5 items at £ 2.20 and 4 at £ 5.25 in a shop.
  - a). How much does she spend altogether ?
  - b). How much change does he get from a £ 50 note ?
- 17). Georgina wants to buy as many 26p stamps as she can. She has only a £ 5 note.
  - a). How many stamps can she buy ?
  - b). How much would this cost ?
  - c). How much change would she have ?



- 18). Karen is buying spark plugs. They cost £ 2.95 each. She only has a £ 10 note.
  - a). How many spark plugs can she buy ?
  - b). How much would this cost ?
  - c). How much change would she have ?



## Time 1.



### The 24 hour clock.

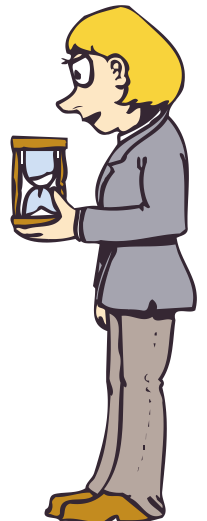
Change the following times from the 12 hour clock to the 24 hour clock.

- |                 |                 |                 |                 |
|-----------------|-----------------|-----------------|-----------------|
| 1). 11.30 a.m.  | 2). 10.15 a.m.  | 3). 7.45 a.m.   | 4). 2.50 a.m.   |
| 5). 2.30 p.m.   | 6). 5.45 p.m.   | 7). 8.05 p.m.   | 8). 1.35 p.m.   |
| 9). 4.55 a.m.   | 10). 1.40 p.m.  | 11). 9.25 p.m.  | 12). 2.10 a.m.  |
| 13). 9.15 a.m.  | 14). 9.40 p.m.  | 15). 10.55 p.m. | 16). 1.05 a.m.  |
| 17). 9.00 a.m.  | 18). 11.55 a.m. | 19). 12.00 p.m. | 20). 12.00 a.m. |
| 21). 6.10 a.m.  | 22). 12.15 p.m. | 23). 12.40 a.m. | 24). 10.40 p.m. |
| 25). 7.35 a.m.  | 26). 9.55 p.m.  | 27). 3.00 p.m.  | 28). 5.30 a.m.  |
| 29). 12.05 a.m. | 30). 12.05 p.m. | 31). 1.25 p.m.  | 32). 2.15 a.m.  |
| 33). 8.54 p.m.  | 34). 10.27 a.m. | 35). 12.57 a.m. | 36). 4.12 p.m.  |
| 37). 2.29 p.m.  | 38). 3.44 a.m.  | 39). 12.37 p.m. | 40). 1.37 a.m.  |

### The 12 hour clock.

Change the following times from the 24 hour clock to the 12 hour clock.

- |            |            |            |            |
|------------|------------|------------|------------|
| 1). 10.55  | 2). 06.35  | 3). 04.45  | 4). 11.35  |
| 5). 13.05  | 6). 21.15  | 7). 17.35  | 8). 18.25  |
| 9). 07.30  | 10). 15.00 | 11). 23.45 | 12). 10.15 |
| 13). 20.05 | 14). 07.35 | 15). 23.55 | 16). 01.40 |
| 17). 22.45 | 18). 06.50 | 19). 13.55 | 20). 23.25 |
| 21). 01.20 | 22). 15.25 | 23). 00.35 | 24). 12.35 |
| 25). 12.00 | 26). 00.00 | 27). 14.30 | 28). 00.50 |
| 29). 00.40 | 30). 12.05 | 31). 11.25 | 32). 07.35 |
| 33). 18.17 | 34). 14.56 | 35). 11.14 | 36). 23.06 |
| 37). 17.52 | 38). 00.09 | 39). 03.41 | 40). 21.39 |

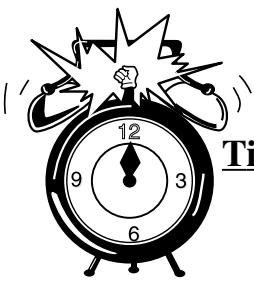


### The 12 and 24 hour clock.

Change the following times to the 12 hour clock **and** the 24 hour clock.

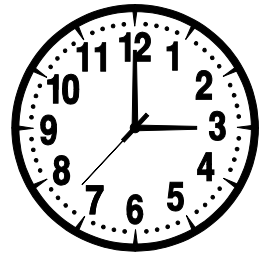
- |  |  |
|--|--|
| 1). Half past eight in the morning.            | 2). Ten to seven in the evening.           |
| 3). Quarter past six in the morning.           | 4). Twenty to eleven at night.             |
| 5). Ten past two in the afternoon.             | 6). Quarter to three in the morning.       |
| 7). Five past nine in the morning.             | 8). Twenty past four in the afternoon.     |
| 9). Half past ten at night.                    | 10). Three 'o' clock in the afternoon.     |
| 11). Five to ten in the morning.               | 12). Twenty five past four in the morning. |
| 13). Quarter to eight in the evening.          | 14). Twenty five to twelve in the morning. |
| 15). Ten past six in the evening.              | 16). Five to twelve at night.              |
| 17). Quarter past one in the afternoon.        | 18). Twenty five to twelve at night.       |
| 19). Twenty to three in the afternoon.         | 20). Quarter to five in the afternoon.     |
| 21). Half past two in the morning.             | 22). Ten to ten at night.                  |
| 23). Noon.                                     | 24). Midnight.                             |
| 25). Five past eight in the morning.           | 26). Twenty past twelve in the morning.    |
| 27). Ten to nine in the evening.               | 28). Quarter to twelve in the morning.     |
| 29). Twenty five past twelve in the afternoon. | 30). Quarter past eleven in the morning.   |





### Time Differences (12 hour clock).

To help you with this section, you may want to look at the clock face at the top of this page.



A. Find the number of minutes from

- |                              |                              |                             |
|------------------------------|------------------------------|-----------------------------|
| 1). 10.15 a.m. to 10.35 a.m. | 2). 9.05 p.m. to 9.40 p.m.   | 3). 6.20 p.m. to 6.55 p.m.  |
| 4). 5.00 a.m. to 5.45 a.m.   | 5). 10.10 p.m. to 10.50 p.m. | 6). 3.25 a.m. to 3.50 a.m.  |
| 7). 4.05 p.m. to 4.30 p.m.   | 8). 7.15 a.m. to 7.50 a.m.   | 9). 4.10 p.m. to 4.55 p.m.  |
| 10). 3.05 a.m. to 3.55 a.m.  | 11). 1.10 a.m. to 1.35 a.m.  | 12). 5.20 p.m. to 5.55 p.m. |

B. Find the number of minutes from

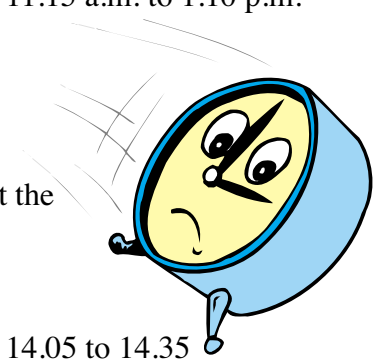
- |                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|
| 1). 10.50 a.m. to 11.10 a.m.  | 2). 3.55 p.m. to 4.20 p.m.    | 3). 1.40 p.m. to 2.15 p.m.    |
| 4). 8.45 a.m. to 9.15 a.m.    | 5). 6.30 a.m. to 7.05 a.m.    | 6). 4.20 p.m. to 5.15 p.m.    |
| 7). 5.35 a.m. to 6.10 a.m.    | 8). 10.40 a.m. to 11.15 a.m.  | 9). 12.30 a.m. to 1.20 a.m.   |
| 10). 8.25 p.m. to 9.10 p.m.   | 11). 4.30 a.m. to 5.25 a.m.   | 12). 1.35 p.m. to 2.15 p.m.   |
| 13). 11.45 a.m. to 12.20 p.m. | 14). 11.25 p.m. to 12.10 a.m. | 15). 11.15 p.m. to 12.05 a.m. |

C. Find the number of **hours and minutes** from

- |                              |                              |                              |
|------------------------------|------------------------------|------------------------------|
| 1). 10.15 a.m. to 11.20 a.m. | 2). 9.15 a.m. to 10.30 a.m.  | 3). 6.20 p.m. to 7.40 p.m.   |
| 4). 1.40 a.m. to 3.00 a.m.   | 5). 4.30 p.m. to 5.55 p.m.   | 6). 2.15 a.m. to 3.40 a.m.   |
| 7). 9.05 p.m. to 10.45 p.m.  | 8). 12.35 a.m. to 2.00 a.m.  | 9). 3.20 a.m. to 4.55 a.m.   |
| 10). 3.00 p.m. to 5.10 p.m.  | 11). 4.10 p.m. to 6.25 p.m.  | 12). 5.25 a.m. to 7.50 a.m.  |
| 13). 11.30 a.m. to 1.30 p.m. | 14). 10.50 p.m. to 1.20 a.m. | 15). 11.15 a.m. to 1.10 p.m. |

### Time Differences (24 hour clock).

To help you with this section, you may want to look at the clock face at the top of this page.



A. Find the number of minutes from

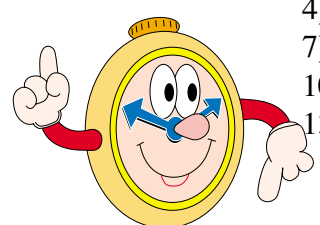
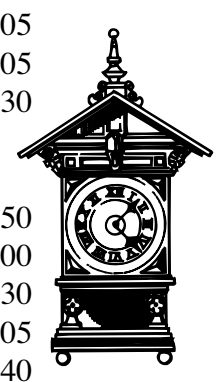
- |                     |                     |                     |
|---------------------|---------------------|---------------------|
| 1). 10.15 to 10.30  | 2). 11.10 to 11.40  | 3). 14.05 to 14.35  |
| 4). 20.10 to 20.45  | 5). 08.25 to 08.55  | 6). 02.15 to 02.50  |
| 7). 23.05 to 23.50  | 8). 01.05 to 01.55  | 9). 12.00 to 12.55  |
| 10). 17.10 to 17.45 | 11). 14.05 to 14.50 | 12). 06.10 to 06.55 |

B. Find the number of minutes from

- |                     |                     |                     |
|---------------------|---------------------|---------------------|
| 1). 07.40 to 08.10  | 2). 21.45 to 22.05  | 3). 17.50 to 18.30  |
| 4). 01.30 to 02.15  | 5). 13.25 to 14.10  | 6). 04.35 to 05.15  |
| 7). 22.55 to 23.40  | 8). 11.35 to 12.20  | 9). 19.10 to 20.05  |
| 10). 03.30 to 04.20 | 11). 16.35 to 17.20 | 12). 00.15 to 01.05 |
| 13). 23.35 to 00.20 | 14). 23.15 to 00.05 | 15). 23.40 to 00.30 |

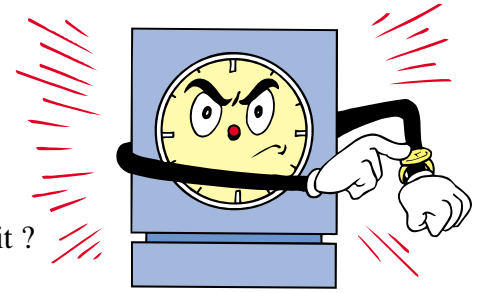
C. Find the number of **hours and minutes** from

- |                     |                     |                     |
|---------------------|---------------------|---------------------|
| 1). 09.30 to 11.00  | 2). 06.05 to 07.10  | 3). 16.35 to 17.50  |
| 4). 20.10 to 21.45  | 5). 03.30 to 04.55  | 6). 21.40 to 23.00  |
| 7). 13.35 to 15.20  | 8). 06.45 to 08.10  | 9). 19.55 to 21.30  |
| 10). 16.20 to 18.30 | 11). 04.50 to 07.10 | 12). 14.35 to 17.05 |
| 13). 22.50 to 00.20 | 14). 23.25 to 01.15 | 15). 05.45 to 08.40 |





## Time 2.



### Worded Questions.

- My watch reads 9.10 a.m.. It is 20 minutes slow. What time is it ?
- Another watch is 15 minutes fast. It reads 3.50 p.m.. What time is it ?
- The time is 1.50 p.m.. What time was/is it
  - 20 minutes ago,
  - 50 minutes later,
  - 1 hour ago,
  - 1 hour 10 minutes later,
  - 1 hour 45 minutes ago ?
- A bus starts a journey at 19.40. It stops at 21.15. How long was the journey
  - in minutes,
  - in hours and minutes ?
- John starts a journey at 08.50. The journey lasts 1 hour 45 minutes. At what time does he end his journey ?
- Cormac gets to Bolton at 15.35 by car. The journey took 50 minutes. At what time did Cormac set off on his car journey ?
- A film starts at 12.40 and ends at 14.05. How long did the film last
  - in minutes,
  - in hours and minutes ?
- Lucy goes on the internet at 19.45 for one and a half hours. What time does she log off ?
- Ian gets to school at at 08.50. The journey took 1 hour 10 minutes. What time did he set off ?
- Lessons start at 9.05 a.m.. Break is at 10.45 a.m.. How long is it between these times ?
- School finishes at 3.20 p.m.. The afternoon session lasts 1 hour 40 minutes. At what time did the afternoon session start ?
- A video records for 2 hours 30 minutes. It starts at 18.35. At what time will it stop recording ?
- The big film finished at 22.35. It lasted two and a quarter hours. At what time did it start ?
- Laura sets off from home jogging. When she arrives back at her house it is 19.25 and she has jogged for 50 minutes. At what time did she set off jogging ?
- Keith travels to London. He sets off at 09.55. The journey takes 3 hours 25 minutes. At what time does Keith arrive in London ?



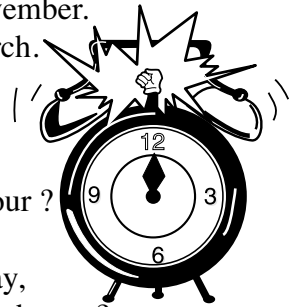
### Time Units.

A. Copy and complete the following.

- |   |  |
|---|--|
| 1). There are ___ seconds in 1 minute.              | 2). There are ___ minutes in 1 hour.     |
| 3). There are ___ hours in 1 day.                   | 4). There are ___ days in 1 week.        |
| 5). There are ___ weeks in 1 year.                  | 6). There are ___ days in a normal year. |
| 7). There are ___ days in a leap year.              | 8). There are ___ months in a year.      |
| 9). There are ___ years in a decade.                | 10). There are ___ years in a century.   |
| 11). There are ___ days in October.                 | 12). There are ___ days in November.     |
| 13). There are ___ days in February in a leap year. | 14). There are ___ days in March.        |

B. Answer the following.

- |                                   |                           |                            |                           |                             |
|-----------------------------------|---------------------------|----------------------------|---------------------------|-----------------------------|
| 1). How many seconds are there in | a). 2 minutes,            | b). 5 minutes,             | c). 10 minutes,           | d). 1 hour ?                |
| 2). How many minutes are there in | a). 3 hours,              | b). 6 hours,               | c). 12 hours,             | d). 1 day,                  |
|                                   | e). $\frac{1}{2}$ hour,   | f). $\frac{1}{4}$ hour,    | g). $\frac{3}{4}$ hour,   | h). $1\frac{1}{2}$ hours ?  |
| 3). How many hours are there in   | a). 2 days,               | b). 5 days,                | c). 1 week,               | d). October ?               |
| 4). How many days are there in    | a). September,            | b). 6 weeks,               | c). 32 weeks,             | d). 2 normal years ?        |
| 5). How many years are there in   | a). 6 decades             | b). 9 decades              | c). 2 centuries,          | d). 8 centuries ?           |
| 6). What month of the year is the | a). 6 <sup>th</sup> month | b). 10 <sup>th</sup> month | c). 4 <sup>th</sup> month | d). 8 <sup>th</sup> month ? |



## Calendars.

For question 1-9 use the calendar on the right.

- 1). What day is the 13<sup>th</sup> January 2024 on ?
- 2). What day is the 23<sup>th</sup> January 2024 on ?
- 3). Which dates in January 2024 are on a Wednesday ?
- 4). Which dates in January 2024 are on a Saturday ?
- 5). In January 2024, how many Sundays are there ?
- 6). In January 2024, how many Tuesdays are there ?
- 7). What is the date of the last Monday in January 2024 ?
- 8). What is the date of the last Friday in January 2024 ?
- 9). On what day do these dates fall
  - a). 3<sup>rd</sup> February 2024
  - b). 8<sup>th</sup> February 2024
  - c). 31<sup>st</sup> December 2023
  - d). 25<sup>th</sup> Decemeber 2023?

JANUARY						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Year 2024



AUGUST						
Su	M	Tu	W	Th	F	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Year 2044

For question 10-18 use the calendar on the left.

- 10). What day is the 17<sup>th</sup> August 2044 on ?
- 11). What day is the 26<sup>th</sup> August 2044 on ?
- 12). Which dates in August 2044 are on a Sunday ?
- 13). Which dates in August 2044 are on a Thursday ?
- 14). In August 2044, how many Monays are there ?
- 15). In August 2044, how many Saturdays are there ?
- 16). What is the date of the last Monday in August 2044 ?
- 17). What is the date of the last Friday in August 2044 ?
- 18). On what day do these dates fall on



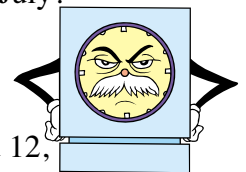
- a). 4<sup>th</sup> September 2044
- b). 12<sup>th</sup> September 2044
- c). 30<sup>th</sup> July 2044
- d). 22<sup>nd</sup> July 2044?

19). How many days are there from

- |  |   |   |
|--|---|---|
| a). 12 <sup>th</sup> March to 27 <sup>th</sup> March,      | b). 5 <sup>th</sup> April to 23 <sup>rd</sup> April,      | c). 24 <sup>th</sup> September to 8 <sup>th</sup> October,  |
| d). 27 <sup>th</sup> May to 14 <sup>th</sup> June,         | e). 29 <sup>th</sup> March to 11 <sup>th</sup> April,     | f). 25 <sup>th</sup> December to 3 <sup>rd</sup> January,   |
| g). 20 <sup>th</sup> June to 4 <sup>th</sup> July,         | h). 19 <sup>th</sup> July to 8 <sup>th</sup> August,      | i). 26 <sup>th</sup> October to 12 <sup>th</sup> November,  |
| j). 23 <sup>rd</sup> January to 6 <sup>th</sup> February,  | k). 18 <sup>th</sup> August to 3 <sup>rd</sup> September, | l). 22 <sup>nd</sup> November to 13 <sup>th</sup> December, |
| m). 17 <sup>th</sup> September to 5 <sup>th</sup> October, | n). 20 <sup>th</sup> April to 9 <sup>th</sup> May,        | o). 15 <sup>th</sup> June to 13 <sup>th</sup> July?         |

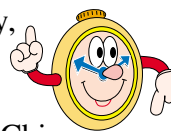
20). Here is a family with all their ages. Find out in which year they were born from today.

- |                           |                         |                                 |
|---------------------------|-------------------------|---------------------------------|
| a). Daughter Beth aged 5, | b). Son Robbie aged 2,  | c). Nephew William aged 12,     |
| d). Mum Lynne aged 26,    | e). Dad Ian aged 32,    | f). Auntie Jill aged 38,        |
| g). Uncle Tim aged 41,    | h). Gran Jean aged 57,  | i). Grandad Keith aged 64,      |
| j). Nana Pam aged 70,     | k). Granpa Ron aged 73, | l). Great Grandad Bill aged 94. |

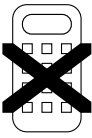


21). How many years ago from today did these events happen,

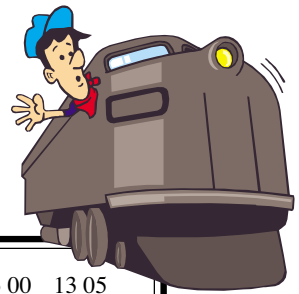
- |  |   |
|--|---|
| a). 1943, ball point pen patented by L. Biro,        | b). 1718, machine gun patented by James Puckle,     |
| c). 1939, start of the second World War,             | d). 1877, record player invented by Thomas Edison,  |
| e). 1915, Einstein offered his Theory of Relativity, | f). 1547, the death of Henry VIII,                  |
| g). 1804, Bonaparte crowned himself Emperor,         | h). 1665, Isaac Newton invented Calculus,           |
| i). 1492, Christopher Columbus landed on Cuba,       | j). 1589, knitting machine invented by William Lee, |
| k). 1066, the Battle of Hastings,                    | l). 1969, man landed on the moon,                   |
| m). 1290, spectacles invented in Italy,              | n). 1421, China transfered capital to Peking,       |
| o). 1570, Guy Fawkes born,                           | p). 1489, symbols + and - came in to use,           |
| q). 955, Battle of Lechfeld,                         | r). 1189, start of the Third Crusade,               |
| s). 907, end of the T'ang dynasty in China,          | t). 122, Hadrian starts building his wall?          |







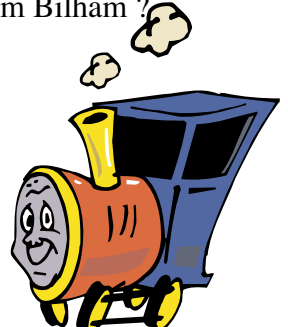
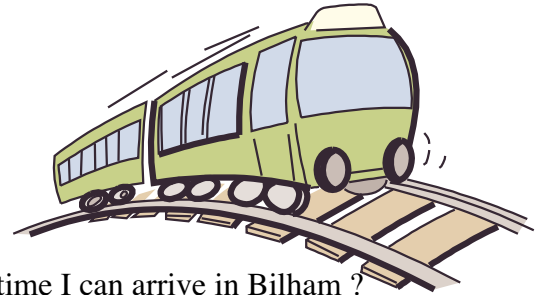
# Timetables.



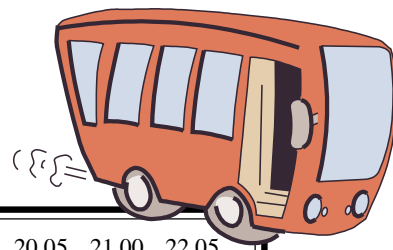
A). Here is the train timetable from Bunley to Wester.

<b>Bunley</b>	08 00	08 05	08 35	09 00	09 05	09 35	10 05	10 35	11 00	11 05	11 35	12 05	13 00	13 05
<b>Alton</b>	08 16		08 51			09 51		10 51			11 51		13 16	
<b>Sidcot</b>	08 44	08 30	09 19	09 44	09 30	10 19		11 19	11 44	11 30	12 19		13 44	
<b>Didley</b>			09 36			10 36		11 36			12 36			
<b>Whytown</b>			09 47			10 47		11 47	12 10		12 47	13 05		14 05
<b>Bilham</b>			09 59			10 59		11 59			12 59			
<b>Tim Spa</b>		09 32	10 22		10 56		11 30	12 22	12 36		13 22		14 46	
<b>Trickway</b>	09 54		10 35		11 11			12 35	12 49		13 35			14 39
<b>Wester</b>	10 32	10 04		11 25		12 14	12 02		13 30		14 04		15 32	

- What are the times of **all** the trains that leave from
  - Bunley,
  - Alton,
  - Bilham,
  - Tim Spa ?
- How many trains go from
  - Bunley to Wester,
  - Bunley to Tim Spa,
  - Sidcot to Trickway ?
- What time do I get in to Wester if I catch the train from
  - Bunley at 08 05,
  - Didley at 10 36,
  - Alton at 11 51 ?
- What time do I leave Whytown if I get in to
  - Trickway at 10 35,
  - Bilham at 12 59,
  - Wester at 12 14 ?
- How many stops are there between
  - Alton and Tim Spa on the 08 51,
  - Bunley and Wester on the 10 05,
  - Sidcot and Wester on the 13 44,
  - Alton and Trickway on the 10 51 ?
- How long does it take the
  - 0805 Bunley train to go from Bunley to Tim Spa,
  - 09 51 Alton train to go from Alton to Whytown,
  - 11 19 Sidcot train to go from Sidcot to Trickway,
  - 12 36 Didley train to go from Didley to Wester ?
- I get to Alton station at 08 30. What is the earliest time I can arrive in Bilham ?
  - I get to Sidcot station at 10 45. What is the earliest time I can arrive in Trickway ?
  - I get to Bunley station at 08 45. What is the earliest time I can arrive in Didley ?
  - I get to Whytown station at 11 05. What is the earliest time I can arrive in Wester ?
- I need to be in Wester by 11.40. What is the latest train I can catch from Sidcot ?
  - I need to be in Bilham by 10.55. What is the latest train I can catch from Didley ?
  - I need to be in Tim Spa by 12 15. What is the latest train I can catch from Alton ?
  - I need to be in Trickway by 13 00. What is the latest train I can catch from Bilham ?
- Which is the quickest journey between Bunley and Wester ?
    - How long does this take ?
  - Which is the slowest journey between Bunley and Wester ?
    - How long does this take ?
  - What is the difference in time between the quickest and slowest journey between Bunley and Wester ?

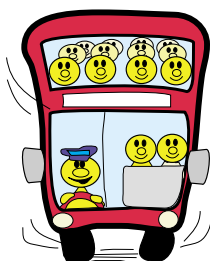
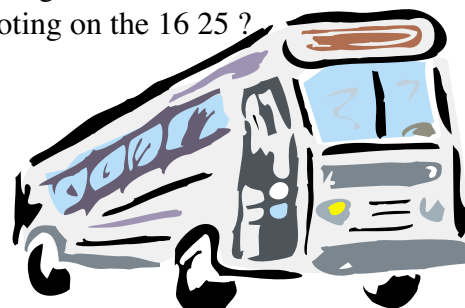


B). Here is the bus time table from Pinley to Pooting.



<b>Pinley</b>	06 00	08 05	09 15	10 20	11 05	12 35	14 05	15 35	17 00	18 15	18 55	20 05	21 00	22 05
<b>Belcot</b>		08 35	09 45			13 06		16 05			19 26		21 30	
<b>Podton</b>	06 44			11 02		13 21		16 20	17 43	19 00	19 41		21 45	
<b>Neston</b>		08 55	10 00		11 56	13 26		16 25			19 46			
<b>Wye Spa</b>	07 03		10 21		12 11	13 41			18 01	19 18	20 01	21 10		23 00
<b>Menster</b>			10 33	11 34			15 30		18 14			21 22		
<b>Wilton</b>	07 30	09 35				14 08	15 45	16 57		19 45		21 37		23 20
<b>Henby</b>	07 43	09 52		12 01		14 22	15 59	17 10	18 45	19 58			22 00	
<b>Pooting</b>		10 12	11 24		13 00		16 18	17 30		20 15		22 03		23 55

- What are the times of **all** the buses that leave from
  - Belcot,
  - Neston,
  - Menster,
  - Henby ?
- How many buses go from
  - Belcot to Wilton,
  - Menster to Pooting,
  - Podton to Henby ?
- What time do I get in to Pooting if I catch the bus from
  - Belcot at 08 35,
  - Neston at 16 25,
  - Pinley at 22 05 ?
- What time do I leave Belcot if I get in to
  - Henby at 14 22,
  - Neston at 10 00,
  - Wilton at 16 57 ?
- How many stops are there between
  - Pinley and Henby on the 08 05,
  - Belcot and Pooting on the 16 05,
  - Podton and Henby on the 21 45,
  - Neston and Pooting on the 16 25 ?
- How long does it take the
  - 18 55 Pinley bus to go from Pinley to Wye Spa,
  - 08 35 Belcot bus to go from Belcot to Henby,
  - 13 26 Neston bus to go from Neston to Henby,
  - 22 05 Pinley bus to go from Pinley to Wilton ?
- I get to Pinley Terminal at 09 30. What is the earliest time I can arrive in Wye Spa ?
  - I get to Podton Terminal at 16 15. What is the earliest time I can arrive in Menster ?
  - I get to Belcot Terminal at 13 00. What is the earliest time I can arrive in Pooting ?
  - I get to Menster Terminal at 15 45. What is the earliest time I can arrive in Pooting ?
- I need to be in Henby by 11.55. What is the latest bus I can catch from Pinley ?
  - I need to be in Wilton by 17 05. What is the latest bus I can catch from Wye Spa ?
  - I need to be in Pooting by 20 00. What is the latest bus I can catch from Menster ?
  - I need to be in Menster by 16 00. What is the latest bus I can catch from Belcot ?
- Which is the quickest journey between Pinley and Pooting ?
    - How long does this take ?
  - Which is the slowest journey between Pinley and Pooting ?
    - How long does this take ?
  - What is the difference in time between the quickest and slowest journey between Pinley and Pooting ?





## Metric Units -Lengths.



A). Change the following to millimetres (mm).

$$1 \text{ cm} = 10 \text{ mm}$$

- |          |            |                |                |                 |
|----------|------------|----------------|----------------|-----------------|
| 1). 3 cm | 9). 11 cm  | 17). 1 cm 6 mm | 25). 8 cm 1 mm | 33). 13 cm 4 mm |
| 2). 4 cm | 10). 14 cm | 18). 1 cm 3 mm | 26). 9 cm 5 mm | 34). 12 cm 8 mm |
| 3). 1 cm | 11). 12 cm | 19). 1 cm 9 mm | 27). 7 cm 3 mm | 35). 16 cm 3 mm |
| 4). 6 cm | 12). 17 cm | 20). 2 cm 1 mm | 28). 6 cm 8 mm | 36). 23 cm 7 mm |
| 5). 5 cm | 13). 20 cm | 21). 2 cm 7 mm | 29). 4 cm 4 mm | 37). 19 cm 6 mm |
| 6). 8 cm | 14). 19 cm | 22). 3 cm 2 mm | 30). 9 cm 6 mm | 38). 29 cm 2 mm |
| 7). 9 cm | 15). 25 cm | 23). 4 cm 9 mm | 31). 8 cm 9 mm | 39). 31 cm 1 mm |
| 8). 2 cm | 16). 24 cm | 24). 7 cm 6 mm | 32). 6 cm 7 mm | 40). 20 cm 2 mm |

B). Change the following to centimetres (cm) and millimetres (mm) .

$$10 \text{ mm} = 1 \text{ cm}$$



- |           |            |            |             |             |
|-----------|------------|------------|-------------|-------------|
| 1). 39 mm | 9). 70 mm  | 17). 39 mm | 25). 100 mm | 33). 190 mm |
| 2). 12 mm | 10). 98 mm | 18). 26 mm | 26). 108 mm | 34). 211 mm |
| 3). 27 mm | 11). 87 mm | 19). 18 mm | 27). 116 mm | 35). 243 mm |
| 4). 50 mm | 12). 25 mm | 20). 31 mm | 28). 103 mm | 36). 270 mm |
| 5). 42 mm | 13). 46 mm | 21). 21 mm | 29). 125 mm | 37). 315 mm |
| 6). 83 mm | 14). 90 mm | 22). 84 mm | 30). 143 mm | 38). 426 mm |
| 7). 61 mm | 15). 37 mm | 23). 76 mm | 31). 180 mm | 39). 904 mm |
| 8). 92 mm | 16). 71 mm | 24). 99 mm | 32). 148 mm | 40). 671 mm |

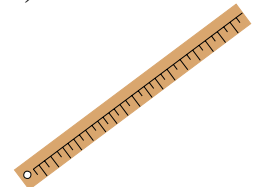
C). Change the following to centimetres (cm).

$$1 \text{ m} = 100 \text{ cm}$$

- |         |           |                |                |                 |
|---------|-----------|----------------|----------------|-----------------|
| 1). 4 m | 9). 10 m  | 17). 1 m 42 cm | 25). 3 m 9 cm  | 33). 10 m 16 cm |
| 2). 3 m | 10). 14 m | 18). 1 m 7 cm  | 26). 3 m 90 cm | 34). 13 m 67 cm |
| 3). 2 m | 11). 19 m | 19). 1 m 70 cm | 27). 6 m 31 cm | 35). 18 m 4 cm  |
| 4). 1 m | 12). 15 m | 20). 1 m 73 cm | 28). 8 m 28 cm | 36). 22 m 30 cm |
| 5). 6 m | 13). 21 m | 21). 1 m 50 cm | 29). 7 m 5 cm  | 37). 28 m 19 cm |
| 6). 8 m | 14). 27 m | 22). 2 m 86 cm | 30). 9 m 65 cm | 38). 30 m 6 cm  |
| 7). 9 m | 15). 35 m | 23). 1 m 72 cm | 31). 4 m 17 cm | 39). 30 m 60 cm |
| 8). 7 m | 16). 42 m | 24). 2 m 98 cm | 32). 5 m 89 cm | 40). 61 m 73 cm |

D). Change the following to metres (m) and centimetres (cm) .

$$100 \text{ cm} = 1 \text{ m}$$



- |            |             |             |              |              |
|------------|-------------|-------------|--------------|--------------|
| 1). 126 cm | 9). 247 cm  | 17). 498 cm | 25). 1031 cm | 33). 2504 cm |
| 2). 149 cm | 10). 224 cm | 18). 683 cm | 26). 1080 cm | 34). 3007 cm |
| 3). 100 cm | 11). 341 cm | 19). 823 cm | 27). 1084 cm | 35). 4734 cm |
| 4). 138 cm | 12). 208 cm | 20). 398 cm | 28). 1145 cm | 36). 6280 cm |
| 5). 108 cm | 13). 390 cm | 21). 806 cm | 29). 1250 cm | 37). 9401 cm |
| 6). 180 cm | 14). 436 cm | 22). 560 cm | 30). 1328 cm | 38). 3792 cm |
| 7). 165 cm | 15). 732 cm | 23). 703 cm | 31). 1742 cm | 39). 9060 cm |
| 8). 118 cm | 16). 562 cm | 24). 730 cm | 32). 1845 cm | 40). 8342 cm |

## S.I. Units (Système International d'Unités)



E). Change the following to metres (m).

$$1 \text{ Km} = 1000 \text{ m}$$

- |           |                 |                 |                 |                 |
|-----------|-----------------|-----------------|-----------------|-----------------|
| 1). 2 Km  | 9). 21 Km       | 17). 5 Km 750 m | 25). 5 Km 104 m | 33). 7 Km 562 m |
| 2). 7 Km  | 10). 18 Km      | 18). 5 Km 75 m  | 26). 5 Km 40 m  | 34). 5 Km 96 m  |
| 3). 3 Km  | 11). 2 Km 145 m | 19). 2 Km 234 m | 27). 5 Km 4 m   | 35). 26 Km      |
| 4). 9 Km  | 12). 3 Km 257 m | 20). 2 Km 34 m  | 28). 3 Km 176 m | 36). 6 Km 782 m |
| 5). 10 Km | 13). 1 Km 583 m | 21). 9 Km 195 m | 29). 3 Km 6 m   | 37). 2 Km 9 m   |
| 6). 8 Km  | 14). 4 Km 175 m | 22). 9 Km 95 m  | 30). 2 Km 259 m | 38). 8 Km 105 m |
| 7). 12 Km | 15). 6 Km 500 m | 23). 1 Km 42 m  | 31). 2 Km 9 m   | 39). 3 Km 958 m |
| 8). 16 Km | 16). 3 Km 968 m | 24). 7 Km 21 m  | 32). 4 Km 7 m   | 40). 6 Km 7 m   |

F). Change the following to kilometres (Km) and metres (m) .

$$1000 \text{ m} = 1 \text{ Km}$$

- |             |              |             |             |             |
|-------------|--------------|-------------|-------------|-------------|
| 1). 5000 m  | 9). 23000 m  | 17). 6340 m | 25). 1081 m | 33). 1838 m |
| 2). 1000 m  | 10). 31000 m | 18). 6034 m | 26). 2002 m | 34). 3008 m |
| 3). 4000 m  | 11). 1523 m  | 19). 4583 m | 27). 5608 m | 35). 1092 m |
| 4). 8000 m  | 12). 629 m   | 20). 7082 m | 28). 4082 m | 36). 3759 m |
| 5). 11000 m | 13). 5280 m  | 21). 8047 m | 29). 5006 m | 37). 6454 m |
| 6). 6000 m  | 14). 3751 m  | 22). 2078 m | 30). 1019 m | 38). 8903 m |
| 7). 14000 m | 15). 275 m   | 23). 4753 m | 31). 3798 m | 39). 9002 m |
| 8). 19000 m | 16). 9364 m  | 24). 9073 m | 32). 3650 m | 40). 6805 m |

G). Change the following to millimetres (mm).

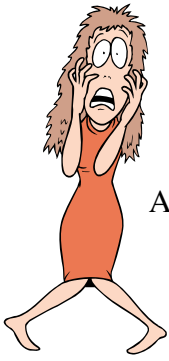
$$1 \text{ m} = 1000 \text{ mm}$$

- |          |                 |                 |                 |                 |
|----------|-----------------|-----------------|-----------------|-----------------|
| 1). 5 m  | 9). 21 m        | 17). 1 m 162 mm | 25). 4 m 265 mm | 33). 2 m 10 mm  |
| 2). 1 m  | 10). 17 m       | 18). 1 m 62 mm  | 26). 4 m 65 mm  | 34). 6 m 803 mm |
| 3). 6 m  | 11). 1 m 462 mm | 19). 2 m 721 mm | 27). 4 m 5 mm   | 35). 7 m 6 mm   |
| 4). 3 m  | 12). 1 m 632 mm | 20). 2 m 21 mm  | 28). 7 m 738 mm | 36). 9 m 170 mm |
| 5). 4 m  | 13). 1 m 143 mm | 21). 5 m 692 mm | 29). 7 m 8 mm   | 37). 2 m 638 mm |
| 6). 9 m  | 14). 2 m 362 mm | 22). 5 m 92 mm  | 30). 3 m 18 mm  | 38). 8 m 78 mm  |
| 7). 11 m | 15). 3 m 735 mm | 23). 4 m 58 mm  | 31). 5 m 3 mm   | 39). 9 m 703 mm |
| 8). 14 m | 16). 6 m 824 mm | 24). 7 m 88 mm  | 32). 8 m 145 mm | 40). 4 m 6 mm   |

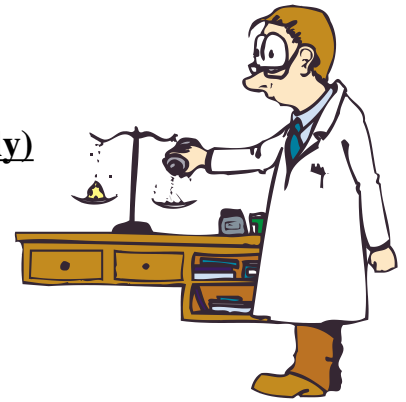
H). Change the following to metres (m) and millimetres (mm).

$$1000 \text{ mm} = 1 \text{ m}$$

- |              |               |              |              |              |
|--------------|---------------|--------------|--------------|--------------|
| 1). 4000 mm  | 9). 23000 mm  | 17). 1298 mm | 25). 2601 mm | 33). 2578 mm |
| 2). 2000 mm  | 10). 34000 mm | 18). 1098 mm | 26). 2001 mm | 34). 7003 mm |
| 3). 7000 mm  | 11). 2324 mm  | 19). 3223 mm | 27). 1706 mm | 35). 6012 mm |
| 4). 1000 mm  | 12). 4357 mm  | 20). 3090 mm | 28). 7002 mm | 36). 4090 mm |
| 5). 9000 mm  | 13). 1862 mm  | 21). 2096 mm | 29). 2046 mm | 37). 1704 mm |
| 6). 6000 mm  | 14). 7801 mm  | 22). 4680 mm | 30). 6009 mm | 38). 8007 mm |
| 7). 11000 mm | 15). 8252 mm  | 23). 1003 mm | 31). 5908 mm | 39). 9045 mm |
| 8). 15000 mm | 16). 6210 mm  | 24). 7303 mm | 32). 5086 mm | 40). 6587 mm |



## Metric Units - Weight. (S.I. Units only)



A). Change the following to grams (g).

$$1 \text{ Kg} = 1000 \text{ g}$$

- |           |                 |                 |                 |                 |
|-----------|-----------------|-----------------|-----------------|-----------------|
| 1). 6 Kg  | 9). 25 Kg       | 17). 1 Kg 356 g | 25). 2 Kg 458 g | 33). 7 Kg 403 g |
| 2). 2 Kg  | 10). 44 Kg      | 18). 1 Kg 56 g  | 26). 2 Kg 58 g  | 34). 2 Kg 65 g  |
| 3). 7 Kg  | 11). 1 Kg 453 g | 19). 2 Kg 582 g | 27). 2 Kg 8 g   | 35). 5 Kg 892 g |
| 4). 4 Kg  | 12). 3 Kg 362 g | 20). 2 Kg 82 g  | 28). 5 Kg 673 g | 36). 6 Kg 1 g   |
| 5). 9 Kg  | 13). 4 Kg 803 g | 21). 6 Kg 483 g | 29). 5 Kg 3 g   | 37). 9 Kg 807 g |
| 6). 14 Kg | 14). 5 Kg 730 g | 22). 4 Kg 73 g  | 30). 6 Kg 84 g  | 38). 8 Kg 473 g |
| 7). 5 Kg  | 15). 6 Kg 387 g | 23). 8 Kg 548 g | 31). 9 Kg 5 g   | 39). 9 Kg 7 g   |
| 8). 15 Kg | 16). 8 Kg 638 g | 24). 9 Kg 47 g  | 32). 4 Kg 346 g | 40). 5 Kg 63 g  |

B). Change the following to kilograms (Kg) and grams (g).

$$1000 \text{ g} = 1 \text{ Kg}$$

- |             |              |             |             |             |
|-------------|--------------|-------------|-------------|-------------|
| 1). 7000 g  | 9). 22000 g  | 17). 6098 g | 25). 9721 g | 33). 3908 g |
| 2). 4000 g  | 10). 31000 g | 18). 4128 g | 26). 7012 g | 34). 8894 g |
| 3). 8000 g  | 11). 3524 g  | 19). 6053 g | 27). 8005 g | 35). 1092 g |
| 4). 1000 g  | 12). 2727 g  | 20). 8560 g | 28). 4002 g | 36). 5560 g |
| 5). 5000 g  | 13). 4782 g  | 21). 6072 g | 29). 2091 g | 37). 1809 g |
| 6). 7000 g  | 14). 1908 g  | 22). 1059 g | 30). 1709 g | 38). 7003 g |
| 7). 13000 g | 15). 7351 g  | 23). 9033 g | 31). 3090 g | 39). 9032 g |
| 8). 19000 g | 16). 4716 g  | 24). 5420 g | 32). 1006 g | 40). 6932 g |

C). Change the following to milligrams (mg).

$$1 \text{ g} = 1000 \text{ mg}$$

- |          |                |                 |                 |                 |
|----------|----------------|-----------------|-----------------|-----------------|
| 1). 4 g  | 5). 3 g 567 mg | 9). 2 g 174 mg  | 13). 8 g 43 mg  | 17). 1 g 8 mg   |
| 2). 8 g  | 6). 1 g 452 mg | 10). 2 g 74 mg  | 14). 5 g 8 mg   | 18). 4 g 472 mg |
| 3). 12 g | 7). 5 g 609 mg | 11). 5 g 894 mg | 15). 3 g 108 mg | 19). 2 g 94 mg  |
| 4). 7 g  | 8). 4 g 945 mg | 12). 7 g 19 mg  | 16). 7 g 9 mg   | 20). 7 g 5 mg   |

D). Change the following to grams (g) and milligrams (mg).

$$1000 \text{ mg} = 1 \text{ g}$$

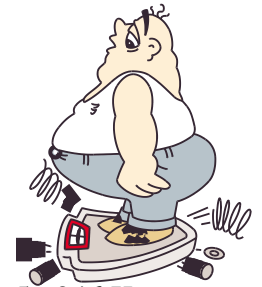
- |              |             |              |              |              |
|--------------|-------------|--------------|--------------|--------------|
| 1). 6000 mg  | 5). 4559 mg | 9). 9702 mg  | 13). 6091 mg | 17). 1960 mg |
| 2). 9000 mg  | 6). 2587 mg | 10). 5045 mg | 14). 9004 mg | 18). 3095 mg |
| 3). 15000 mg | 7). 9500 mg | 11). 6523 mg | 15). 1007 mg | 19). 2003 mg |
| 4). 26000 mg | 8). 7216 mg | 12). 8072 mg | 16). 2098 mg | 20). 4020 mg |



E). Change the following to Kilograms (Kg).

$$1 \text{ t} = 1000 \text{ Kg}$$

- |          |                |                 |                 |                 |
|----------|----------------|-----------------|-----------------|-----------------|
| 1). 7 t  | 5). 2 t 573 Kg | 9). 2 t 85 Kg   | 13). 3 t 574 Kg | 17). 5 t 946 Kg |
| 2). 2 t  | 6). 1 t 306 Kg | 10). 3 t 248 Kg | 14). 5 t 6 kg   | 18). 1 t 5 Kg   |
| 3). 9 t  | 7). 8 t 835 Kg | 11). 1 t 30 Kg  | 15). 3 t 90 Kg  | 19). 9 t 18 Kg  |
| 4). 16 t | 8). 7 t 970 Kg | 12). 9 t 16 Kg  | 16). 8 t 2 Kg   | 20). 5 t 230 Kg |



F). Change the following to tonnes (t) and Kilograms (Kg).

$$1000 \text{ t} = 1 \text{ Kg}$$

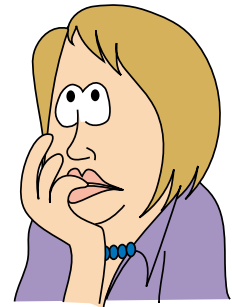
- |              |             |              |              |              |
|--------------|-------------|--------------|--------------|--------------|
| 1). 6000 Kg  | 5). 4305 Kg | 9). 2072 Kg  | 13). 8001 Kg | 17). 3075 Kg |
| 2). 16000 Kg | 6). 7380 Kg | 10). 1935 Kg | 14). 7009 Kg | 18). 7005 Kg |
| 3). 8000 Kg  | 7). 1592 Kg | 11). 6093 Kg | 15). 1087 Kg | 19). 1980 Kg |
| 4). 32000 Kg | 8). 5557 Kg | 12). 4072 Kg | 16). 9080 Kg | 20). 2060 Kg |

## Metric Units -Capacity. (S.I. Units only)

A). Change the following to millilitres (ml).

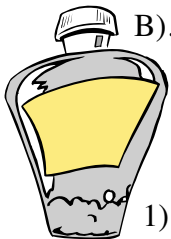
$$1 \text{ l} = 1000 \text{ ml}$$

- |          |                 |                 |                 |                 |
|----------|-----------------|-----------------|-----------------|-----------------|
| 1). 2 l  | 9). 41 l        | 17). 8 l 563 ml | 25). 6 l 563 ml | 33). 5 l 630 ml |
| 2). 4 l  | 10). 28 l       | 18). 8 l 63 ml  | 26). 6 l 63 ml  | 34). 4 l 83 ml  |
| 3). 7 l  | 11). 4 l 758 ml | 19). 3 l 491 ml | 27). 6 l 3 ml   | 35). 2 l 902 ml |
| 4). 9 l  | 12). 2 l 210 ml | 20). 3 l 91 ml  | 28). 7 l 569 ml | 36). 5 l 5 ml   |
| 5). 8 l  | 13). 5 l 593 ml | 21). 5 l 21 ml  | 29). 7 l 9 ml   | 37). 9 l 13 ml  |
| 6). 14 l | 14). 7 l 285 ml | 22). 7 l 16 ml  | 30). 4 l 606 ml | 38). 6 l 849 ml |
| 7). 17 l | 15). 1 l 669 ml | 23). 4 l 783 ml | 31). 6 l 4 ml   | 39). 9 l 203 ml |
| 8). 25 l | 16). 9 l 506 ml | 24). 8 l 67 ml  | 32). 8 l 2 ml   | 40). 1 l 8 ml   |



B). Change the following to litres (l) and millilitres (ml).

$$1000 \text{ ml} = 1 \text{ l}$$



- |              |               |              |              |              |
|--------------|---------------|--------------|--------------|--------------|
| 1). 4000 ml  | 9). 28000 ml  | 17). 6018 ml | 25). 5025 ml | 33). 6798 ml |
| 2). 8000 ml  | 10). 36000 ml | 18). 3098 ml | 26). 2002 ml | 34). 4005 ml |
| 3). 3000 ml  | 11). 6704 ml  | 19). 4303 ml | 27). 7005 ml | 35). 1095 ml |
| 4). 7000 ml  | 12). 2867 ml  | 20). 6760 ml | 28). 3564 ml | 36). 5627 ml |
| 5). 12000 ml | 13). 3512 ml  | 21). 4072 ml | 29). 6901 ml | 37). 1009 ml |
| 6). 10000 ml | 14). 5304 ml  | 22). 2059 ml | 30). 1003 ml | 38). 3303 ml |
| 7). 23000 ml | 15). 8750 ml  | 23). 7433 ml | 31). 8090 ml | 39). 9058 ml |
| 8). 19000 ml | 16). 3305 ml  | 24). 2084 ml | 32). 5006 ml | 40). 6090 ml |

**Lengths.**



**Measuring in Metric Units.**



- 1). Measure the lines below. Give your answer in centimetres and millimetres, e.g. 6 cm 4 mm.
- a). \_\_\_\_\_ b). \_\_\_\_\_
- c). \_\_\_\_\_ d). \_\_\_\_\_
- e). \_\_\_\_\_ f). \_\_\_\_\_
- g). \_\_\_\_\_ h). \_\_\_\_\_
- i). \_\_\_\_\_
- j). \_\_\_\_\_ k). \_\_\_\_\_
- l). \_\_\_\_\_
- m). \_\_\_\_\_ n). \_\_\_\_\_
- o). \_\_\_\_\_ p). \_\_\_\_\_

- 2). a). Copy the table below. You are going to measure each of the objects in the table. You will have to make these choices when you fill in the table :
- i). Which measuring instrument you will use (your teacher will show you what you can choose)?
- ii). Which metric units you will be measuring in?
- Now make an estimate of the length you are measuring and complete the table.

Object	Measuring Instrument used	Metric Units used	Estimate	Actual
Length of Classroom Table				
Length of Exercise Book				
Height of Door				
Height of Blackboard				
Height of Chair				
Width of this Worksheet				
Length of Classroom				
Thickness of Exercise Book				
Width of Table				
Width of Classroom				
Length of Light Switch				
Width of Light Switch				
Width of Finger Nail				
Width of Exercise Book				
Width of Door				
Length of Pencil				
Thickness of a Rubber				
Width of Blackboard				



b). Now find another 10 lengths to be measured in the classroom.

## Weights.



- A). Copy the table below. You are going to weigh each of the objects in the table. You will have to make these choices when you fill in the table :
- 1). Which measuring instrument you will use (your teacher will show you what you can choose)?
  - 2). Which metric units you will be measuring in?
- Now make an estimate of the weight, weigh it and then complete the table.

Object	Measuring Instrument used	Metric Units used	Estimate	Actual
Myself Exercise book Calculator Pen Top Friend				

- B). Now find 10 other objects to weigh around the class.

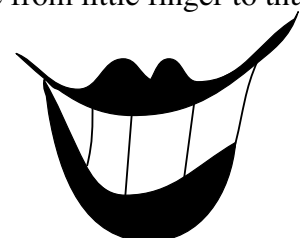
## Weights and Capacities at Home.

- A). Find each of the following objects at home. Now write down this information about it:-
- a). if it is measured by weight or capacity ,
  - b). its weight/capacity,
  - c). the units in which it is measured.
- 1). Packet of Crisps
  - 2). Bottle of Lemonade
  - 3). Bag of Sugar
  - 4). Box of Cornflakes
  - 5). Washing Up Liquid
  - 6). Bread
  - 7). Bottle of Milk
  - 8). Can of Soup
  - 9). Jar of Jam
  - 10). Can of Beans
  - 11). Margarine Tub
  - 12). Toothpaste.
- B). Find out this information for another 10 objects around the house.

## My Measurements

Find out these measurements about yourself.

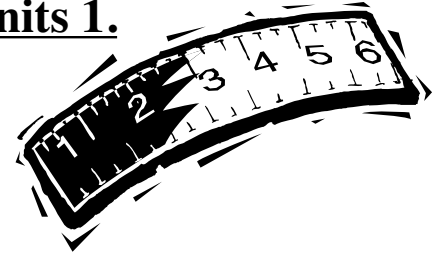
- 1). Stretch out your arms wide. Measure from finger tip to finger tip.
- 2). Height. What do you notice about your height and the measurement above ?
- 3). Width of your thumb finger nail.
- 4). Weight.
- 5). Circumference around your head. Measure from the very top of your nose all the way around.
- 6). Stride. Mark a point and stride from that point.
- 7). Shoe size.
- 8). Foot length. Take off your shoe and measure from your heel to the end of your big toe.
- 9). Front teeth. Measure from top to bottom of one of your front teeth.
- 10). Standing jump. Mark a point. Put your feet together and jump. Measure this distance.
- 11). Length of nose.
- 12). Hand span. Spread out your fingers as wide as they can go. Measure from little finger to thumb.
- 13). Length of your middle finger.
- 14). Length of your hair.
- 15). Smile. Do a big smile and measure from one side to another.
- 16). Arm length. Measure from your arm pit to the end of your fingers.







# Adding and Subtracting Metric Units 1.



## Lengths.

Copy the following questions and then answer them.

$$\begin{array}{r} 1). \quad \text{cm} \quad \text{mm} \\ \quad 5 \quad 6 \\ \underline{2 \quad 3} + \\ \hline \end{array}$$

$$\begin{array}{r} 2). \quad \text{cm} \quad \text{mm} \\ \quad 4 \quad 3 \\ \underline{5 \quad 7} + \\ \hline \end{array}$$

$$\begin{array}{r} 3). \quad \text{cm} \quad \text{mm} \\ \quad 7 \quad 8 \\ \underline{4 \quad 5} + \\ \hline \end{array}$$

$$\begin{array}{r} 4). \quad \text{cm} \quad \text{mm} \\ \quad 6 \quad 4 \\ \underline{3 \quad 8} + \\ \hline \end{array}$$

$$\begin{array}{r} 5). \quad \text{cm} \quad \text{mm} \\ \quad 7 \quad 6 \\ \underline{3 \quad 8} + \\ \hline \end{array}$$

$$\begin{array}{r} 6). \quad \text{cm} \quad \text{mm} \\ \quad 6 \quad 5 \\ \underline{9 \quad 8} + \\ \hline \end{array}$$

$$\begin{array}{r} 7). \quad \text{cm} \quad \text{mm} \\ \quad 7 \quad 7 \\ \underline{9 \quad 8} + \\ \hline \end{array}$$

$$\begin{array}{r} 8). \quad \text{cm} \quad \text{mm} \\ \quad 3 \quad 7 \\ \underline{12 \quad 5} + \\ \hline \end{array}$$

$$9). \quad 4 \text{ cm } 7 \text{ mm} + 5 \text{ cm } 4 \text{ mm}$$

$$10). \quad 8 \text{ cm } 3 \text{ mm} + 7 \text{ cm } 8 \text{ mm}$$

$$11). \quad 7 \text{ cm } 5 \text{ mm} + 6 \text{ cm } 5 \text{ mm}$$

$$12). \quad 8 \text{ cm } 6 \text{ mm} + 10 \text{ cm } 5 \text{ mm}$$

$$13). \quad 12 \text{ cm } 2 \text{ mm} + 6 \text{ cm } 7 \text{ mm}$$

$$14). \quad 9 \text{ cm } 5 \text{ mm} + 11 \text{ cm } 7 \text{ mm}$$

$$15). \quad 13 \text{ cm } 9 \text{ mm} + 11 \text{ cm } 6 \text{ mm}$$

$$16). \quad 16 \text{ cm } 7 \text{ mm} + 5 \text{ cm } 5 \text{ mm}$$

$$17). \quad 18 \text{ cm } 1 \text{ mm} + 7 \text{ cm } 9 \text{ mm}$$

$$18). \quad 24 \text{ cm } 3 \text{ mm} + 16 \text{ cm } 8 \text{ mm}$$

$$19). \quad 19 \text{ cm } 4 \text{ mm} + 32 \text{ cm } 7 \text{ mm}$$

$$20). \quad 16 \text{ cm } 6 \text{ mm} + 21 \text{ cm } 6 \text{ mm}$$

$$\begin{array}{r} 21). \quad \text{cm} \quad \text{mm} \\ \quad 7 \quad 4 \\ \underline{2 \quad 1} - \\ \hline \end{array}$$

$$\begin{array}{r} 22). \quad \text{cm} \quad \text{mm} \\ \quad 4 \quad 9 \\ \underline{1 \quad 7} - \\ \hline \end{array}$$

$$\begin{array}{r} 23). \quad \text{cm} \quad \text{mm} \\ \quad 9 \quad 5 \\ \underline{4 \quad 5} - \\ \hline \end{array}$$

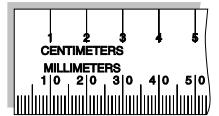
$$\begin{array}{r} 24). \quad \text{cm} \quad \text{mm} \\ \quad 7 \quad 4 \\ \underline{2 \quad 8} - \\ \hline \end{array}$$

$$\begin{array}{r} 25). \quad \text{cm} \quad \text{mm} \\ \quad 5 \quad 6 \\ \underline{4 \quad 9} - \\ \hline \end{array}$$

$$\begin{array}{r} 26). \quad \text{cm} \quad \text{mm} \\ \quad 12 \quad 5 \\ \underline{9 \quad 8} - \\ \hline \end{array}$$

$$\begin{array}{r} 27). \quad \text{cm} \quad \text{mm} \\ \quad 16 \quad 6 \\ \underline{9 \quad 8} - \\ \hline \end{array}$$

$$\begin{array}{r} 28). \quad \text{cm} \quad \text{mm} \\ \quad 10 \quad 2 \\ \underline{2 \quad 5} - \\ \hline \end{array}$$



$$29). \quad 9 \text{ cm } 7 \text{ mm} - 2 \text{ cm } 5 \text{ mm}$$

$$30). \quad 8 \text{ cm } 4 \text{ mm} - 6 \text{ cm } 1 \text{ mm}$$

$$31). \quad 9 \text{ cm } 5 \text{ mm} - 4 \text{ cm } 5 \text{ mm}$$

$$32). \quad 8 \text{ cm } 6 \text{ mm} - 6 \text{ cm } 8 \text{ mm}$$

$$33). \quad 12 \text{ cm } 2 \text{ mm} - 8 \text{ cm } 9 \text{ mm}$$

$$34). \quad 9 \text{ cm } 5 \text{ mm} - 2 \text{ cm } 8 \text{ mm}$$

$$35). \quad 13 \text{ cm } 6 \text{ mm} - 7 \text{ cm } 8 \text{ mm}$$

$$36). \quad 16 \text{ cm } 4 \text{ mm} - 8 \text{ cm } 5 \text{ mm}$$

$$37). \quad 18 \text{ cm } 1 \text{ mm} - 6 \text{ cm } 9 \text{ mm}$$

$$38). \quad 10 \text{ cm } 3 \text{ mm} - 6 \text{ cm } 8 \text{ mm}$$

$$39). \quad 19 \text{ cm } 3 \text{ mm} - 12 \text{ cm } 9 \text{ mm}$$

$$40). \quad 20 \text{ cm } 6 \text{ mm} - 11 \text{ cm } 8 \text{ mm}$$

$$\begin{array}{r} 41). \quad \text{m} \quad \text{cm} \\ \quad 4 \quad 26 \\ \underline{2 \quad 13} + \\ \hline \end{array}$$

$$\begin{array}{r} 42). \quad \text{m} \quad \text{cm} \\ \quad 4 \quad 43 \\ \underline{5 \quad 37} + \\ \hline \end{array}$$

$$\begin{array}{r} 43). \quad \text{m} \quad \text{cm} \\ \quad 2 \quad 38 \\ \underline{4 \quad 85} + \\ \hline \end{array}$$

$$\begin{array}{r} 44). \quad \text{m} \quad \text{cm} \\ \quad 6 \quad 64 \\ \underline{3 \quad 98} + \\ \hline \end{array}$$

$$\begin{array}{r} 45). \quad \text{m} \quad \text{cm} \\ \quad 7 \quad 56 \\ \underline{3 \quad 88} + \\ \hline \end{array}$$

$$\begin{array}{r} 46). \quad \text{m} \quad \text{cm} \\ \quad 6 \quad 75 \\ \underline{9 \quad 08} + \\ \hline \end{array}$$

$$\begin{array}{r} 47). \quad \text{m} \quad \text{cm} \\ \quad 5 \quad 46 \\ \underline{8 \quad 78} + \\ \hline \end{array}$$

$$\begin{array}{r} 48). \quad \text{m} \quad \text{cm} \\ \quad 3 \quad 07 \\ \underline{12 \quad 95} + \\ \hline \end{array}$$

$$49). \quad 3 \text{ m } 73 \text{ cm} + 5 \text{ m } 46 \text{ cm}$$

$$50). \quad 2 \text{ m } 30 \text{ cm} + 7 \text{ m } 87 \text{ cm}$$

$$51). \quad 5 \text{ m } 50 \text{ cm} + 6 \text{ m } 35 \text{ cm}$$

$$52). \quad 6 \text{ m } 8 \text{ cm} + 10 \text{ m } 53 \text{ cm}$$

$$53). \quad 12 \text{ m } 20 \text{ cm} + 6 \text{ m } 87 \text{ cm}$$

$$54). \quad 6 \text{ m } 4 \text{ cm} + 11 \text{ m } 52 \text{ cm}$$

$$55). \quad 15 \text{ m } 9 \text{ cm} + 11 \text{ m } 64 \text{ cm}$$

$$56). \quad 13 \text{ m } 76 \text{ cm} + 15 \text{ m } 5 \text{ cm}$$

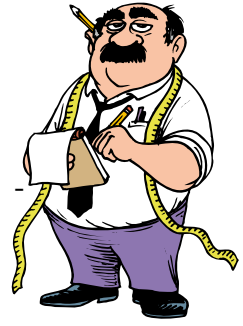
$$57). \quad 14 \text{ m } 19 \text{ cm} + 12 \text{ m } 6 \text{ cm}$$

$$58). \quad 21 \text{ m } 37 \text{ cm} + 16 \text{ m } 82 \text{ cm}$$

$$59). \quad 19 \text{ m } 96 \text{ cm} + 22 \text{ m } 7 \text{ cm}$$

$$60). \quad 16 \text{ m } 67 \text{ cm} + 23 \text{ m } 49 \text{ cm}$$





$$\begin{array}{r} 61). \quad \text{m} \quad \text{cm} \\ 5 \quad 64 \\ \underline{2 \quad 31} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 62). \quad \text{m} \quad \text{cm} \\ 7 \quad 29 \\ \underline{5 \quad 17} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 63). \quad \text{m} \quad \text{cm} \\ 9 \quad 35 \\ \underline{4 \quad 17} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 64). \quad \text{m} \quad \text{cm} \\ 7 \quad 84 \\ \underline{1 \quad 18} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 65). \quad \text{m} \quad \text{cm} \\ 9 \quad 56 \\ \underline{3 \quad 92} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 66). \quad \text{m} \quad \text{cm} \\ 15 \quad 25 \\ \underline{3 \quad 81} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 67). \quad \text{m} \quad \text{cm} \\ 16 \quad 26 \\ \underline{3 \quad 98} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 68). \quad \text{m} \quad \text{cm} \\ 17 \quad 02 \\ \underline{2 \quad 56} \quad - \\ \hline \end{array}$$

$69). \quad 9 \text{ m } 76 \text{ cm} - 2 \text{ m } 54 \text{ cm}$

$70). \quad 8 \text{ m } 47 \text{ cm} - 6 \text{ m } 12 \text{ cm}$

$71). \quad 7 \text{ m } 95 \text{ cm} - 4 \text{ m } 52 \text{ cm}$

$72). \quad 7 \text{ m } 64 \text{ cm} - 6 \text{ m } 28 \text{ cm}$

$73). \quad 15 \text{ m } 28 \text{ cm} - 3 \text{ m } 9 \text{ cm}$

$74). \quad 9 \text{ m } 53 \text{ cm} - 2 \text{ m } 28 \text{ cm}$

$75). \quad 13 \text{ m } 65 \text{ cm} - 2 \text{ m } 83 \text{ cm}$

$76). \quad 16 \text{ m } 48 \text{ cm} - 4 \text{ m } 55 \text{ cm}$

$77). \quad 18 \text{ m } 14 \text{ cm} - 6 \text{ m } 94 \text{ cm}$

$78). \quad 13 \text{ m } 34 \text{ cm} - 6 \text{ m } 87 \text{ cm}$

$79). \quad 14 \text{ m } 36 \text{ cm} - 12 \text{ m } 59 \text{ cm}$

$80). \quad 20 \text{ m } 64 \text{ cm} - 11 \text{ m } 87 \text{ cm}$

$$\begin{array}{r} 81). \quad \text{Km} \quad \text{m} \\ 6 \quad 346 \\ \underline{2 \quad 683} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 82). \quad \text{Km} \quad \text{m} \\ 4 \quad 233 \\ \underline{3 \quad 477} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 83). \quad \text{Km} \quad \text{m} \\ 2 \quad 708 \\ \underline{4 \quad 285} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 84). \quad \text{Km} \quad \text{m} \\ 6 \quad 574 \\ \underline{3 \quad 880} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 85). \quad \text{Km} \quad \text{m} \\ 9 \quad 056 \\ \underline{4 \quad 786} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 86). \quad \text{Km} \quad \text{m} \\ 6 \quad 605 \\ \underline{9 \quad 984} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 87). \quad \text{Km} \quad \text{m} \\ 8 \quad 846 \\ \underline{7 \quad 780} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 88). \quad \text{Km} \quad \text{m} \\ 5 \quad 677 \\ \underline{14 \quad 045} \quad + \\ \hline \end{array}$$

$89). \quad 2 \text{ Km } 207 \text{ m} + 5 \text{ Km } 672 \text{ m}$

$90). \quad 2 \text{ Km } 263 \text{ m} + 3 \text{ Km } 524 \text{ m}$

$91). \quad 6 \text{ Km } 255 \text{ m} + 1 \text{ Km } 524 \text{ m}$

$92). \quad 4 \text{ Km } 695 \text{ m} + 13 \text{ Km } 485 \text{ m}$

$93). \quad 12 \text{ Km } 260 \text{ m} + 6 \text{ Km } 977 \text{ m}$

$94). \quad 5 \text{ Km } 475 \text{ m} + 13 \text{ Km } 879 \text{ m}$

$95). \quad 12 \text{ Km } 96 \text{ m} + 11 \text{ Km } 176 \text{ m}$

$96). \quad 16 \text{ Km } 567 \text{ m} + 5 \text{ Km } 45 \text{ m}$

$97). \quad 13 \text{ Km } 61 \text{ m} + 7 \text{ Km } 992 \text{ m}$

$98). \quad 4 \text{ Km } 3 \text{ m} + 13 \text{ Km } 867 \text{ m}$

$99). \quad 12 \text{ Km } 456 \text{ m} + 7 \text{ Km } 6 \text{ m}$

$100). \quad 12 \text{ Km } 66 \text{ m} + 21 \text{ Km } 667 \text{ m}$



$$\begin{array}{r} 101). \quad \text{Km} \quad \text{m} \\ 7 \quad 584 \\ \underline{2 \quad 361} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 102). \quad \text{Km} \quad \text{m} \\ 4 \quad 859 \\ \underline{3 \quad 706} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 103). \quad \text{Km} \quad \text{m} \\ 9 \quad 495 \\ \underline{2 \quad 157} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 104). \quad \text{Km} \quad \text{m} \\ 7 \quad 274 \\ \underline{4 \quad 082} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 105). \quad \text{Km} \quad \text{m} \\ 9 \quad 356 \\ \underline{5 \quad 008} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 106). \quad \text{Km} \quad \text{m} \\ 13 \quad 745 \\ \underline{6 \quad 438} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 107). \quad \text{Km} \quad \text{m} \\ 16 \quad 306 \\ \underline{7 \quad 748} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 108). \quad \text{Km} \quad \text{m} \\ 10 \quad 027 \\ \underline{4 \quad 654} \quad - \\ \hline \end{array}$$

$109). \quad 7 \text{ Km } 734 \text{ m} - 3 \text{ Km } 510 \text{ m}$

$110). \quad 5 \text{ Km } 457 \text{ m} - 1 \text{ Km } 135 \text{ m}$

$111). \quad 7 \text{ Km } 595 \text{ m} - 4 \text{ Km } 521 \text{ m}$

$112). \quad 9 \text{ Km } 656 \text{ m} - 5 \text{ Km } 348 \text{ m}$

$113). \quad 14 \text{ Km } 257 \text{ m} - 6 \text{ Km } 914 \text{ m}$

$114). \quad 9 \text{ Km } 655 \text{ m} - 5 \text{ Km } 583 \text{ m}$

$115). \quad 14 \text{ Km } 768 \text{ m} - 7 \text{ Km } 80 \text{ m}$

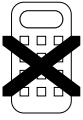
$116). \quad 16 \text{ Km } 46 \text{ m} - 8 \text{ Km } 252 \text{ m}$

$117). \quad 18 \text{ Km } 91 \text{ m} - 6 \text{ Km } 296 \text{ m}$

$118). \quad 12 \text{ Km } 453 \text{ m} - 6 \text{ Km } 9 \text{ m}$

$119). \quad 20 \text{ Km } 357 \text{ m} - 12 \text{ Km } 8 \text{ m}$

$120). \quad 20 \text{ Km } 67 \text{ m} - 11 \text{ Km } 283 \text{ m}$



## Adding And Subtracting Metric Units 2.



### Weights and Capacities.

Copy the following questions and then answer them.

$$\begin{array}{r} 1). \quad \text{Kg} \quad \text{g} \\ 2 \quad 346 \\ 4 \quad \underline{352} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 2). \quad \text{Kg} \quad \text{g} \\ 3 \quad 323 \\ 6 \quad \underline{174} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 3). \quad \text{Kg} \quad \text{g} \\ 2 \quad 380 \\ 5 \quad \underline{315} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 4). \quad \text{Kg} \quad \text{g} \\ 4 \quad 864 \\ 9 \quad \underline{128} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 5). \quad \text{Kg} \quad \text{g} \\ 8 \quad 456 \\ 4 \quad \underline{578} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 6). \quad \text{Kg} \quad \text{g} \\ 8 \quad 065 \\ 9 \quad \underline{868} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 7). \quad \text{Kg} \quad \text{g} \\ 7 \quad 646 \\ 6 \quad \underline{982} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 8). \quad \text{Kg} \quad \text{g} \\ 6 \quad 647 \\ 11 \quad \underline{585} \quad + \\ \hline \end{array}$$

$$9). \quad 1 \text{ Kg } 247 \text{ g} + 4 \text{ Kg } 534 \text{ g}$$

$$10). \quad 3 \text{ Kg } 363 \text{ g} + 5 \text{ Kg } 708 \text{ g}$$

$$11). \quad 2 \text{ Kg } 635 \text{ g} + 9 \text{ Kg } 465 \text{ g}$$

$$12). \quad 5 \text{ Kg } 67 \text{ g} + 11 \text{ Kg } 524 \text{ g}$$

$$13). \quad 10 \text{ Kg } 263 \text{ g} + 7 \text{ Kg } 78 \text{ g}$$

$$14). \quad 6 \text{ Kg } 573 \text{ g} + 13 \text{ Kg } 73 \text{ g}$$

$$15). \quad 12 \text{ Kg } 9 \text{ g} + 16 \text{ Kg } 664 \text{ g}$$

$$16). \quad 15 \text{ Kg } 773 \text{ g} + 7 \text{ Kg } 5 \text{ g}$$

$$17). \quad 12 \text{ Kg } 108 \text{ g} + 7 \text{ Kg } 9 \text{ g}$$

$$18). \quad 21 \text{ Kg } 346 \text{ g} + 13 \text{ Kg } 89 \text{ g}$$

$$19). \quad 16 \text{ Kg } 489 \text{ g} + 22 \text{ Kg } 7 \text{ g}$$

$$20). \quad 17 \text{ Kg } 69 \text{ g} + 25 \text{ Kg } 6 \text{ g}$$

$$\begin{array}{r} 21). \quad \text{Kg} \quad \text{g} \\ 7 \quad 854 \\ 2 \quad \underline{251} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 22). \quad \text{Kg} \quad \text{g} \\ 8 \quad 539 \\ 1 \quad \underline{217} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 23). \quad \text{Kg} \quad \text{g} \\ 6 \quad 365 \\ 2 \quad \underline{105} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 24). \quad \text{Kg} \quad \text{g} \\ 8 \quad 534 \\ 6 \quad \underline{013} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 25). \quad \text{Kg} \quad \text{g} \\ 9 \quad 456 \\ 4 \quad \underline{149} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 26). \quad \text{Kg} \quad \text{g} \\ 12 \quad 475 \\ 6 \quad \underline{284} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 27). \quad \text{Kg} \quad \text{g} \\ 16 \quad 806 \\ 7 \quad \underline{745} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 28). \quad \text{Kg} \quad \text{g} \\ 10 \quad 432 \\ 5 \quad \underline{509} \quad - \\ \hline \end{array}$$

$$29). \quad 7 \text{ Kg } 734 \text{ g} - 4 \text{ Kg } 512 \text{ g}$$

$$30). \quad 5 \text{ Kg } 474 \text{ g} - 4 \text{ Kg } 172 \text{ g}$$

$$31). \quad 8 \text{ Kg } 563 \text{ g} - 3 \text{ Kg } 521 \text{ g}$$

$$32). \quad 9 \text{ Kg } 648 \text{ g} - 2 \text{ Kg } 813 \text{ g}$$

$$33). \quad 13 \text{ Kg } 724 \text{ g} - 7 \text{ Kg } 492 \text{ g}$$

$$34). \quad 5 \text{ Kg } 565 \text{ g} - 1 \text{ Kg } 827 \text{ g}$$

$$35). \quad 15 \text{ Kg } 608 \text{ g} - 7 \text{ Kg } 815 \text{ g}$$

$$36). \quad 16 \text{ Kg } 453 \text{ g} - 9 \text{ Kg } 579 \text{ g}$$

$$37). \quad 15 \text{ Kg } 100 \text{ g} - 8 \text{ Kg } 953 \text{ g}$$

$$38). \quad 10 \text{ Kg } 36 \text{ g} - 3 \text{ Kg } 813 \text{ g}$$

$$39). \quad 18 \text{ Kg } 368 \text{ g} - 15 \text{ Kg } 49 \text{ g}$$

$$40). \quad 20 \text{ Kg } 685 \text{ g} - 16 \text{ Kg } 8 \text{ g}$$



$$\begin{array}{r} 41). \quad \text{t} \quad \text{Kg} \\ 6 \quad 626 \\ 2 \quad \underline{213} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 42). \quad \text{t} \quad \text{Kg} \\ 7 \quad 743 \\ 5 \quad \underline{237} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 43). \quad \text{t} \quad \text{Kg} \\ 7 \quad 438 \\ 4 \quad \underline{285} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 44). \quad \text{t} \quad \text{Kg} \\ 2 \quad 764 \\ 8 \quad \underline{098} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 45). \quad \text{t} \quad \text{Kg} \\ 1 \quad 006 \\ 9 \quad \underline{978} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 46). \quad \text{t} \quad \text{Kg} \\ 5 \quad 875 \\ 8 \quad \underline{408} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 47). \quad \text{t} \quad \text{Kg} \\ 8 \quad 046 \\ 8 \quad \underline{678} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 48). \quad \text{t} \quad \text{Kg} \\ 6 \quad 967 \\ 13 \quad \underline{695} \quad + \\ \hline \end{array}$$

$$49). \quad 3 \text{ t } 713 \text{ Kg} + 5 \text{ t } 146 \text{ Kg}$$

$$50). \quad 2 \text{ t } 306 \text{ Kg} + 7 \text{ t } 543 \text{ Kg}$$

$$51). \quad 5 \text{ t } 508 \text{ Kg} + 6 \text{ t } 350 \text{ Kg}$$

$$52). \quad 6 \text{ t } 856 \text{ Kg} + 10 \text{ t } 538 \text{ Kg}$$

$$53). \quad 12 \text{ t } 209 \text{ Kg} + 6 \text{ t } 857 \text{ Kg}$$

$$54). \quad 6 \text{ t } 475 \text{ Kg} + 11 \text{ t } 528 \text{ Kg}$$

$$55). \quad 15 \text{ t } 936 \text{ Kg} + 11 \text{ t } 646 \text{ Kg}$$

$$56). \quad 13 \text{ t } 64 \text{ Kg} + 15 \text{ t } 588 \text{ Kg}$$

$$57). \quad 14 \text{ t } 19 \text{ Kg} + 12 \text{ t } 689 \text{ Kg}$$

$$58). \quad 21 \text{ t } 7 \text{ Kg} + 16 \text{ t } 827 \text{ Kg}$$

$$59). \quad 19 \text{ t } 976 \text{ Kg} + 22 \text{ t } 5 \text{ Kg}$$

$$60). \quad 16 \text{ t } 67 \text{ Kg} + 23 \text{ t } 9 \text{ Kg}$$

$$\begin{array}{r} 61). \quad \text{t} \quad \text{Kg} \\ 6 \quad 764 \\ \underline{1 \quad 231} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 62). \quad \text{t} \quad \text{Kg} \\ 8 \quad 629 \\ \underline{2 \quad 317} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 63). \quad \text{t} \quad \text{Kg} \\ 9 \quad 435 \\ \underline{5 \quad 017} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 64). \quad \text{t} \quad \text{Kg} \\ 4 \quad 847 \\ \underline{2 \quad 182} \quad - \\ \hline \end{array}$$



$$\begin{array}{r} 65). \quad \text{t} \quad \text{Kg} \\ 7 \quad 656 \\ \underline{3 \quad 928} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 66). \quad \text{t} \quad \text{Kg} \\ 18 \quad 257 \\ \underline{3 \quad 870} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 67). \quad \text{t} \quad \text{Kg} \\ 16 \quad 426 \\ \underline{7 \quad 098} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 68). \quad \text{t} \quad \text{Kg} \\ 15 \quad 102 \\ \underline{5 \quad 456} \quad - \\ \hline \end{array}$$

$69). \quad 6 \text{ t } 746 \text{ Kg} - 2 \text{ t } 542 \text{ Kg}$

$70). \quad 7 \text{ t } 476 \text{ Kg} - 1 \text{ t } 125 \text{ Kg}$

$71). \quad 7 \text{ t } 905 \text{ Kg} - 5 \text{ t } 352 \text{ Kg}$

$72). \quad 9 \text{ t } 634 \text{ Kg} - 2 \text{ t } 428 \text{ Kg}$

$73). \quad 14 \text{ t } 728 \text{ Kg} - 1 \text{ t } 909 \text{ Kg}$

$74). \quad 8 \text{ t } 536 \text{ Kg} - 2 \text{ t } 928 \text{ Kg}$

$75). \quad 16 \text{ t } 658 \text{ Kg} - 2 \text{ t } 83 \text{ Kg}$

$76). \quad 16 \text{ t } 48 \text{ Kg} - 3 \text{ t } 155 \text{ Kg}$

$77). \quad 13 \text{ t } 149 \text{ Kg} - 6 \text{ t } 4 \text{ Kg}$

$78). \quad 13 \text{ t } 347 \text{ Kg} - 6 \text{ t } 807 \text{ Kg}$

$79). \quad 20 \text{ t } 396 \text{ Kg} - 12 \text{ t } 759 \text{ Kg}$

$80). \quad 20 \text{ t } 64 \text{ Kg} - 11 \text{ t } 867 \text{ Kg}$

$$\begin{array}{r} 81). \quad \text{l} \quad \text{ml} \\ 7 \quad 366 \\ \underline{3 \quad 682} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 82). \quad \text{l} \quad \text{ml} \\ 1 \quad 233 \\ \underline{3 \quad 467} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 83). \quad \text{l} \quad \text{ml} \\ 6 \quad 709 \\ \underline{2 \quad 185} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 84). \quad \text{l} \quad \text{ml} \\ 2 \quad 974 \\ \underline{9 \quad 888} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 85). \quad \text{l} \quad \text{ml} \\ 7 \quad 056 \\ \underline{5 \quad 986} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 86). \quad \text{l} \quad \text{ml} \\ 6 \quad 607 \\ \underline{8 \quad 684} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 87). \quad \text{l} \quad \text{ml} \\ 5 \quad 596 \\ \underline{7 \quad 680} \quad + \\ \hline \end{array}$$

$$\begin{array}{r} 88). \quad \text{l} \quad \text{ml} \\ 3 \quad 476 \\ \underline{18 \quad 095} \quad + \\ \hline \end{array}$$

$89). \quad 3 \text{ l } 508 \text{ ml} + 7 \text{ l } 171 \text{ ml}$

$90). \quad 4 \text{ l } 433 \text{ ml} + 8 \text{ l } 565 \text{ ml}$

$91). \quad 6 \text{ l } 715 \text{ ml} + 2 \text{ l } 974 \text{ ml}$

$92). \quad 7 \text{ l } 405 \text{ ml} + 11 \text{ l } 45 \text{ ml}$

$93). \quad 14 \text{ l } 720 \text{ ml} + 3 \text{ l } 983 \text{ ml}$

$94). \quad 8 \text{ l } 975 \text{ ml} + 17 \text{ l } 79 \text{ ml}$

$95). \quad 15 \text{ l } 96 \text{ ml} + 12 \text{ l } 763 \text{ ml}$

$96). \quad 18 \text{ l } 58 \text{ ml} + 7 \text{ l } 45 \text{ ml}$

$97). \quad 14 \text{ l } 691 \text{ ml} + 6 \text{ l } 92 \text{ ml}$

$98). \quad 7 \text{ l } 3 \text{ ml} + 12 \text{ l } 898 \text{ ml}$

$99). \quad 19 \text{ l } 997 \text{ ml} + 9 \text{ l } 6 \text{ ml}$

$100). \quad 17 \text{ l } 43 \text{ ml} + 25 \text{ l } 978 \text{ ml}$

$$\begin{array}{r} 101). \quad \text{l} \quad \text{ml} \\ 3 \quad 856 \\ \underline{1 \quad 243} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 102). \quad \text{l} \quad \text{ml} \\ 7 \quad 646 \\ \underline{2 \quad 126} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 103). \quad \text{l} \quad \text{ml} \\ 8 \quad 847 \\ \underline{6 \quad 285} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 104). \quad \text{l} \quad \text{ml} \\ 9 \quad 465 \\ \underline{3 \quad 182} \quad - \\ \hline \end{array}$$

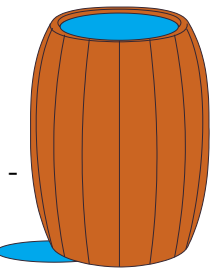


$$\begin{array}{r} 105). \quad \text{l} \quad \text{ml} \\ 7 \quad 436 \\ \underline{6 \quad 098} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 106). \quad \text{l} \quad \text{ml} \\ 17 \quad 545 \\ \underline{9 \quad 498} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 107). \quad \text{l} \quad \text{ml} \\ 14 \quad 009 \\ \underline{1 \quad 742} \quad - \\ \hline \end{array}$$

$$\begin{array}{r} 108). \quad \text{l} \quad \text{ml} \\ 16 \quad 007 \\ \underline{4 \quad 654} \quad - \\ \hline \end{array}$$



$109). \quad 6 \text{ l } 764 \text{ ml} - 1 \text{ l } 310 \text{ ml}$

$110). \quad 8 \text{ l } 795 \text{ ml} - 3 \text{ l } 635 \text{ ml}$

$111). \quad 4 \text{ l } 684 \text{ ml} - 2 \text{ l } 257 \text{ ml}$

$112). \quad 9 \text{ l } 656 \text{ ml} - 3 \text{ l } 895 \text{ ml}$

$113). \quad 12 \text{ l } 146 \text{ ml} - 8 \text{ l } 814 \text{ ml}$

$114). \quad 8 \text{ l } 105 \text{ ml} - 3 \text{ l } 674 \text{ ml}$

$115). \quad 16 \text{ l } 560 \text{ ml} - 9 \text{ l } 76 \text{ ml}$

$116). \quad 18 \text{ l } 94 \text{ ml} - 5 \text{ l } 536 \text{ ml}$

$117). \quad 13 \text{ l } 971 \text{ ml} - 8 \text{ l } 6 \text{ ml}$

$118). \quad 15 \text{ l } 207 \text{ ml} - 9 \text{ l } 428 \text{ ml}$

$119). \quad 20 \text{ l } 467 \text{ ml} - 16 \text{ l } 869 \text{ ml}$

$120). \quad 20 \text{ l } 34 \text{ ml} - 12 \text{ l } 573 \text{ ml}$



# Multiplying Metric Units.

Copy the following questions and then answer them.



$$\begin{array}{r} 1). \quad \text{cm} \quad \text{mm} \\ 5 \quad 6 \\ \underline{\quad 3} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 2). \quad \text{cm} \quad \text{mm} \\ 4 \quad 3 \\ \underline{\quad 5} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 3). \quad \text{cm} \quad \text{mm} \\ 7 \quad 8 \\ \underline{\quad 4} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 4). \quad \text{cm} \quad \text{mm} \\ 6 \quad 4 \\ \underline{\quad 6} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 5). \quad \text{cm} \quad \text{mm} \\ 7 \quad 6 \\ \underline{\quad 3} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 6). \quad \text{cm} \quad \text{mm} \\ 6 \quad 5 \\ \underline{\quad 7} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 7). \quad \text{cm} \quad \text{mm} \\ 12 \quad 6 \\ \underline{\quad 9} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 8). \quad \text{cm} \quad \text{mm} \\ 13 \quad 7 \\ \underline{\quad 8} \quad \times \\ \hline \end{array}$$

$$9). \quad 4 \text{ cm } 7 \text{ mm} \times 3$$

$$10). \quad 8 \text{ cm } 3 \text{ mm} \times 5$$

$$11). \quad 7 \text{ cm } 5 \text{ mm} \times 4$$

$$12). \quad 8 \text{ cm } 6 \text{ mm} \times 8$$

$$13). \quad 12 \text{ cm } 2 \text{ mm} \times 4$$

$$14). \quad 9 \text{ cm } 5 \text{ mm} \times 9$$

$$15). \quad 13 \text{ cm } 9 \text{ mm} \times 6$$

$$16). \quad 16 \text{ cm } 7 \text{ mm} \times 8$$



$$\begin{array}{r} 17). \quad \text{m} \quad \text{cm} \\ 4 \quad 26 \\ \underline{\quad 3} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 18). \quad \text{m} \quad \text{cm} \\ 4 \quad 43 \\ \underline{\quad 6} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 19). \quad \text{m} \quad \text{cm} \\ 2 \quad 38 \\ \underline{\quad 5} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 20). \quad \text{m} \quad \text{cm} \\ 6 \quad 64 \\ \underline{\quad 4} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 21). \quad \text{m} \quad \text{cm} \\ 7 \quad 56 \\ \underline{\quad 8} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 22). \quad \text{m} \quad \text{cm} \\ 6 \quad 75 \\ \underline{\quad 9} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 23). \quad \text{m} \quad \text{cm} \\ 5 \quad 46 \\ \underline{\quad 7} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 24). \quad \text{m} \quad \text{cm} \\ 13 \quad 07 \\ \underline{\quad 5} \quad \times \\ \hline \end{array}$$

$$25). \quad 3 \text{ m } 73 \text{ cm} \times 4$$

$$26). \quad 2 \text{ m } 30 \text{ cm} \times 6$$

$$27). \quad 5 \text{ m } 52 \text{ cm} \times 3$$

$$28). \quad 6 \text{ m } 8 \text{ cm} \times 7$$

$$29). \quad 2 \text{ m } 26 \text{ cm} \times 8$$

$$30). \quad 6 \text{ m } 4 \text{ cm} \times 9$$

$$31). \quad 15 \text{ m } 9 \text{ cm} \times 5$$

$$32). \quad 13 \text{ m } 76 \text{ cm} \times 8$$

$$\begin{array}{r} 33). \quad \text{Km} \quad \text{m} \\ 6 \quad 346 \\ \underline{\quad 3} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 34). \quad \text{Km} \quad \text{m} \\ 4 \quad 233 \\ \underline{\quad 4} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 35). \quad \text{Km} \quad \text{m} \\ 2 \quad 708 \\ \underline{\quad 6} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 36). \quad \text{Km} \quad \text{m} \\ 6 \quad 574 \\ \underline{\quad 5} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 37). \quad \text{Km} \quad \text{m} \\ 9 \quad 056 \\ \underline{\quad 8} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 38). \quad \text{Km} \quad \text{m} \\ 6 \quad 605 \\ \underline{\quad 7} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 39). \quad \text{Km} \quad \text{m} \\ 8 \quad 846 \\ \underline{\quad 9} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 40). \quad \text{Km} \quad \text{m} \\ 5 \quad 677 \\ \underline{\quad 8} \quad \times \\ \hline \end{array}$$

$$41). \quad 2 \text{ Km } 207 \text{ m} \times 5$$

$$42). \quad 2 \text{ Km } 263 \text{ m} \times 3$$

$$43). \quad 6 \text{ Km } 255 \text{ m} \times 6$$

$$44). \quad 4 \text{ Km } 695 \text{ m} \times 4$$

$$45). \quad 9 \text{ Km } 260 \text{ m} \times 8$$

$$46). \quad 5 \text{ Km } 475 \text{ m} \times 6$$

$$47). \quad 8 \text{ Km } 96 \text{ m} \times 7$$

$$48). \quad 16 \text{ Km } 57 \text{ m} \times 9$$

$$\begin{array}{r} 49). \quad \text{Kg} \quad \text{g} \\ 7 \quad 854 \\ \underline{\quad 2} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 50). \quad \text{Kg} \quad \text{g} \\ 8 \quad 539 \\ \underline{\quad 5} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 51). \quad \text{Kg} \quad \text{g} \\ 6 \quad 065 \\ \underline{\quad 7} \quad \times \\ \hline \end{array}$$

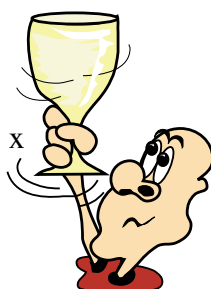
$$\begin{array}{r} 52). \quad \text{Kg} \quad \text{g} \\ 8 \quad 534 \\ \underline{\quad 4} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 53). \quad \text{l} \quad \text{ml} \\ 7 \quad 436 \\ \underline{\quad 8} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 54). \quad \text{l} \quad \text{ml} \\ 8 \quad 545 \\ \underline{\quad 9} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 55). \quad \text{l} \quad \text{ml} \\ 9 \quad 006 \\ \underline{\quad 6} \quad \times \\ \hline \end{array}$$

$$\begin{array}{r} 56). \quad \text{l} \quad \text{ml} \\ 19 \quad 807 \\ \underline{\quad 4} \quad \times \\ \hline \end{array}$$



$$57). \quad 1 \text{ Kg } 247 \text{ g} \times 5$$

$$58). \quad 3 \text{ Kg } 363 \text{ g} \times 3$$

$$59). \quad 2 \text{ Kg } 635 \text{ g} \times 7$$

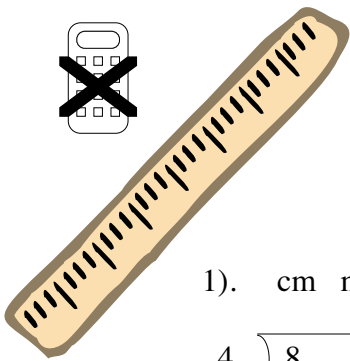
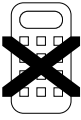
$$60). \quad 5 \text{ Kg } 67 \text{ g} \times 9$$

$$61). \quad 6 \text{ l } 764 \text{ ml} \times 6$$

$$62). \quad 5 \text{ l } 739 \text{ ml} \times 8$$

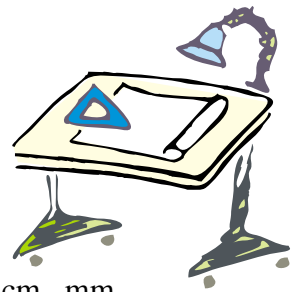
$$63). \quad 18 \text{ l } 95 \text{ ml} \times 9$$

$$64). \quad 14 \text{ l } 84 \text{ ml} \times 7$$



## Dividing Metric Units.

Copy the following questions and then answer them.



1). cm mm

$$4 \overline{) 84}$$

2). cm mm

$$3 \overline{) 72}$$

3). cm mm

$$5 \overline{) 105}$$

4). cm mm

$$6 \overline{) 114}$$

5). cm mm

$$7 \overline{) 84}$$

6). cm mm

$$3 \overline{) 132}$$

7). cm mm

$$4 \overline{) 136}$$

8). cm mm

$$9 \overline{) 117}$$

- 9). 4 cm 8 mm  $\div$  3    10). 8 cm 5 mm  $\div$  5    11). 9 cm 2 mm  $\div$  4    12). 9 cm 6 mm  $\div$  8  
 13). 15 cm 2 mm  $\div$  4    14). 14 cm 4 mm  $\div$  9    15). 15 cm 6 mm  $\div$  6    16). 18 cm 4 mm  $\div$  8

17). m cm

$$3 \overline{) 426}$$

18). m cm

$$5 \overline{) 745}$$

19). m cm

$$4 \overline{) 636}$$

20). m cm

$$6 \overline{) 732}$$

21). m cm

$$4 \overline{) 708}$$

22). m cm

$$8 \overline{) 984}$$

23). m cm

$$7 \overline{) 959}$$

24). m cm

$$9 \overline{) 774}$$

- 25). 3 m 56 cm  $\div$  4    26). 2 m 34 cm  $\div$  6    27). 5 m 58 cm  $\div$  3    28). 7 m 8 cm  $\div$  3  
 29). 5 m 28 cm  $\div$  8    30). 6 m 8 cm  $\div$  4    31). 7 m 92 cm  $\div$  9    32). 10 m 72 cm  $\div$  8

33). Km m

$$4 \overline{) 6348}$$

34). Km m

$$3 \overline{) 4209}$$

35). Km m

$$6 \overline{) 2706}$$

36). Km m

$$5 \overline{) 6525}$$

37). Km m

$$4 \overline{) 9036}$$

38). Km m

$$3 \overline{) 6237}$$

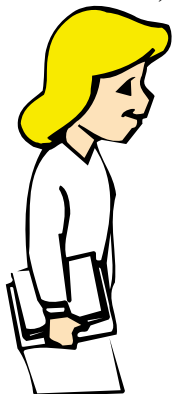
39). Km m

$$7 \overline{) 5201}$$

40). Km m

$$9 \overline{) 5076}$$

- 41). 2 Km 205 m  $\div$  5    42). 8 Km 262 m  $\div$  3    43). 8 Km 256 m  $\div$  6    44). 7 Km 612 m  $\div$  4  
 45). 9 Km 264 m  $\div$  8    46). 5 Km 478 m  $\div$  6    47). 7 Km 98 m  $\div$  7    48). 10 Km 98 m  $\div$  9



49). Kg g

$$5 \overline{) 7855}$$

50). Kg g

$$4 \overline{) 8536}$$

51). Kg g

$$6 \overline{) 6468}$$

52). Kg g

$$3 \overline{) 8535}$$

53). l ml

$$8 \overline{) 7432}$$

54). l ml

$$4 \overline{) 18548}$$

55). l ml

$$5 \overline{) 9005}$$

56). l ml

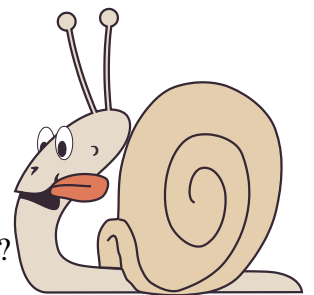
$$9 \overline{) 16803}$$

- 57). 1 Kg 205 g  $\div$  5    58). 4 Kg 323 g  $\div$  3    59). 2 Kg 632 g  $\div$  7    60). 5 Kg 68 g  $\div$  4  
 61). 8 l 766 ml  $\div$  6    62). 5 l 736 ml  $\div$  8    63). 15 l 84 ml  $\div$  9    64). 17 l 94 ml  $\div$  7

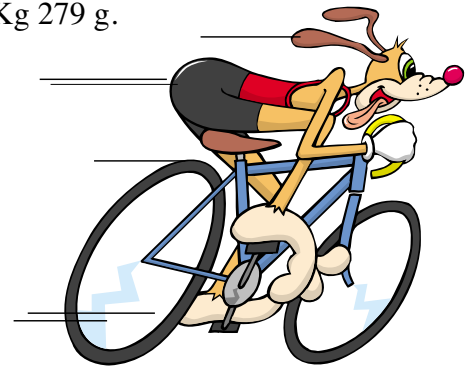
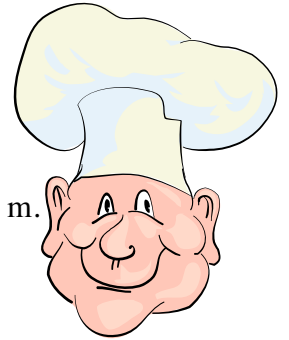


## Metric Units. Worded Questions.

- 1). Lesley has a plank of wood 4 m 35 cm long. She is going to cut it into 5 equal pieces to make shelves. How long will each shelf be ?
- 2). Bob buys apples. Each apple is 212 g. He wants 8. What will the total weight be in Kilograms and grams ?
- 3). Billy has 4656 *ml* of lemonade. How many litres and millilitres is this ?
- 4). Sam collects worms that are exactly 3 cm 2 mm long. He has 9 in his collection. If he puts them end to end how long will they all be in total ?
- 5). A huge field is 3 Km 983 m long. A hedge runs along one side that is to be looked after by 7 farmers. If they all look after equal portions, what length does each farmer look after ?
- 6). Alison has 6 m 56 cm of curtain material. She needs to know the length in centimetres only. What is it ?
- 7). Ron buys a 1 Kg 544 g bag of apples. There are 8 equal sized apples in the bag. What is the weight of each apple ?
- 8). A bus travels 5 Km 314 m. Matthew gets off half way. How far did he travel on the bus ?
- 9). Lauren has a 2 litre bottle of lemonade. She drinks 214 *ml* . How much has she got left ?
- 10). James has a washing line 5 m 45 cm long. What is that in centimetres ?
- 11). Builders are building a wall. At the end of the first day it is 1 m 34 cm tall. The second day they add another 89 cm to its height. How tall is the wall now ?
- 12). A piece of wood is 3 m 76 cm long. It is shortened by 85 cm. How long is the wood now ?
- 13). Jimmy jogs 7 Km 98 m. How far is this just in metres ?
- 14). Give a good estimate of your height in metres and centimetres.
- 15). A snail called Sam travels 7 cm 5 mm and has a rest and a lettuce leaf. He then travels another 9 cm 8 mm. How far has Sam moved all together ?
- 16). The wood work teacher has a piece of wood exactly 2 metres long. He asks the class this length in millimetres. What is it ?
- 17). A pen top is weighed very accurately. It is 2 g 243 mg. What is this just in milligrams ?
- 18). A tree is 3 m 45 cm tall. It is measured 3 years later and found to be 5 m 12 cm tall. How much has it grown in this time ?
- 19). Give a good estimate of your weight in Kilograms.
- 20). David buys 4 cans each containing 330 *ml* of cola. How much cola has he in total in litres and millilitres ?

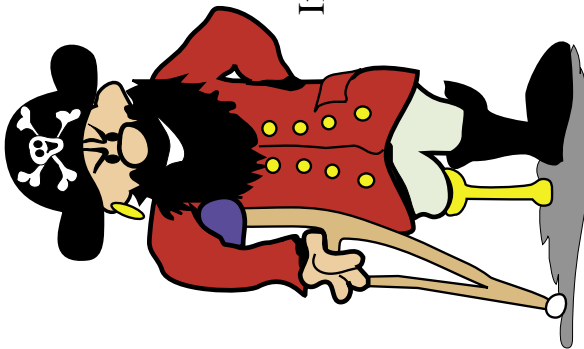
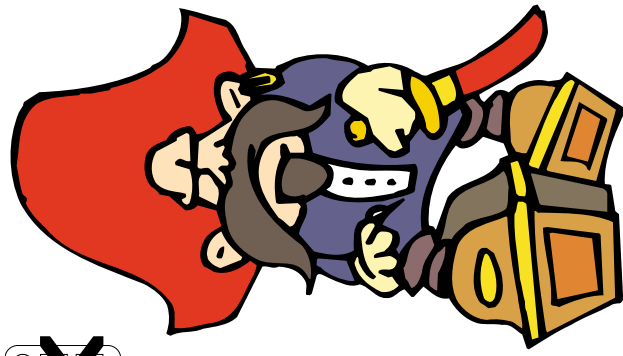


- 21). 4 equal sized pen tops weigh a total of 13 g 624 mg. What is the weight of one of them ?
- 22). 6 Chairs each weighing 4 Kg 326 g are to be posted to a school. The cost of postage depends on the weight of parcel. What is the total weight of these chairs ?
- 23). A barrel of water has 8 l 642 ml in it. It gets a leak and loses 978 ml. How much water is now left in the barrel ?
- 24). A piece of ribbon 33 cm 6 mm long is to be cut into 7 equal pieces to make badges. How long will each piece of ribbon be?
- 25). Billy is baking. He takes flour out of a full 2 Kg bag. He uses 250 g. How much flour is there left in the bag ?
- 26). Susan cycles 6 km 645 m and has a rest. She then cycles another 12 Km 804 m. How far has she cycled in total ?
- 27). Keith has 3 tonnes of scrap metal. How many kilograms is that ?
- 28). Kate weighs 37 Kg 500 g, Beth weighs 34 Kg 765 g. What is their total weight ?
- 29). William weighs 67 Kg 745 g. He goes on a diet and loses 7 Kg 279 g. What is his new weight ?
- 30). How many millimetres are there in 12 cm 7 mm ?
- 31). Give an estimate of the length and width of your classroom.
- 32). Rover cycles 12 Km 455 m. He breaks up the journey into 5 equal stages. How far does he travel in each stage ?
- 33). Steven Snail likes to crawl 12 mm at a time and then have a break. He does this 9 times. How far has he crawled in total ? (Give your answer in centimetres and millimetres).
- 34). Alex measures her height at 97 cm. Four years later she measures herself again. She is now 1 m 34 cm. How much taller has she grown in this time ?
- 35). A small keg of beer has 9 l 500 ml in it. After a night of drinking it has only 5 l 670 ml in it. How much has been drunk during the evening ?
- 36). Jane has a car weighing 5600 Kg. What is this weight in tonnes and kilograms ?
- 37). Lynne has 3 l 912 ml of cola. She shares it equally between herself and 5 friends. How much does each person get ?
- 38). A 6 m 47 cm beech tree is struck by lightning. It loses the top 1 m 70 cm of its height. How tall is the beech tree now ?
- 39). A bowl holds 4 l 205 ml of water. Two and a half litres are spilt. How much water is left in the bowl ?
- 40). Tim measures the length of his exercise book as 18 cm 2 mm. He put 5 similar sized books end to end. How far will they stretch ?





# Walk the Plank.



Blackbeard has captured both of you. Only one player can survive.

You are both are 1 metre 67 cm away from the end of the plank and facing certain doom.

Roll the two dice and add them up. **Say the distance you are from the end.**

If you are right, move that number of centimetres along the plank.

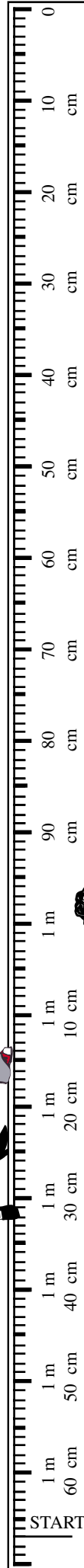
If you get the distance from the end wrong you have to move another 20 cm nearer to the end !

The loser falls off into shark infested waters and becomes fish food.

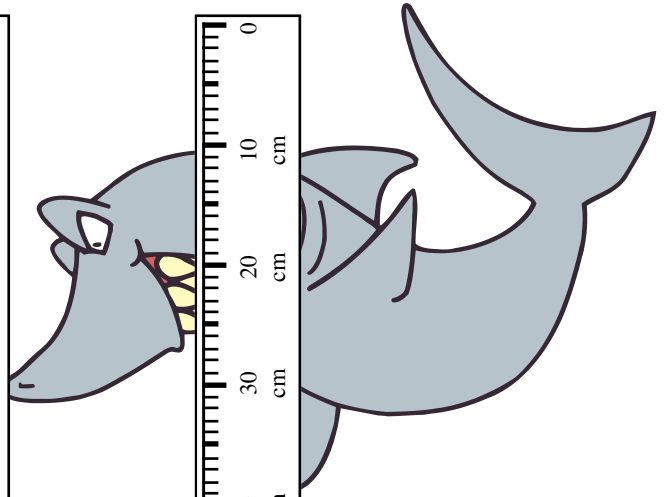
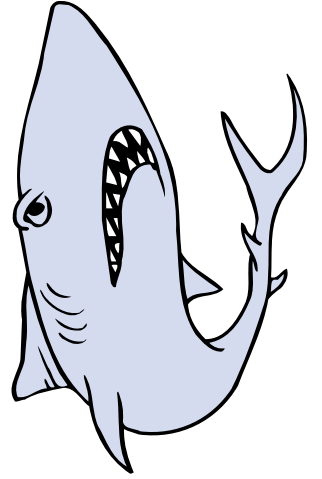
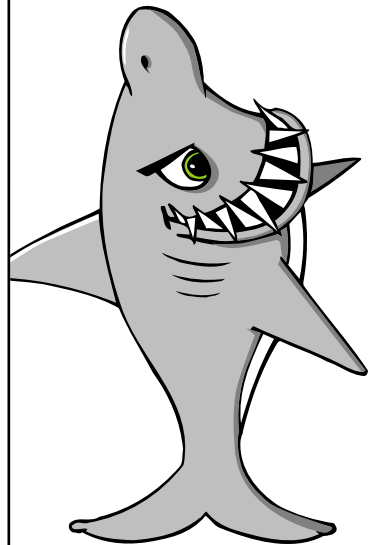
The two planks drawn out below may help your calculations.



Player 1

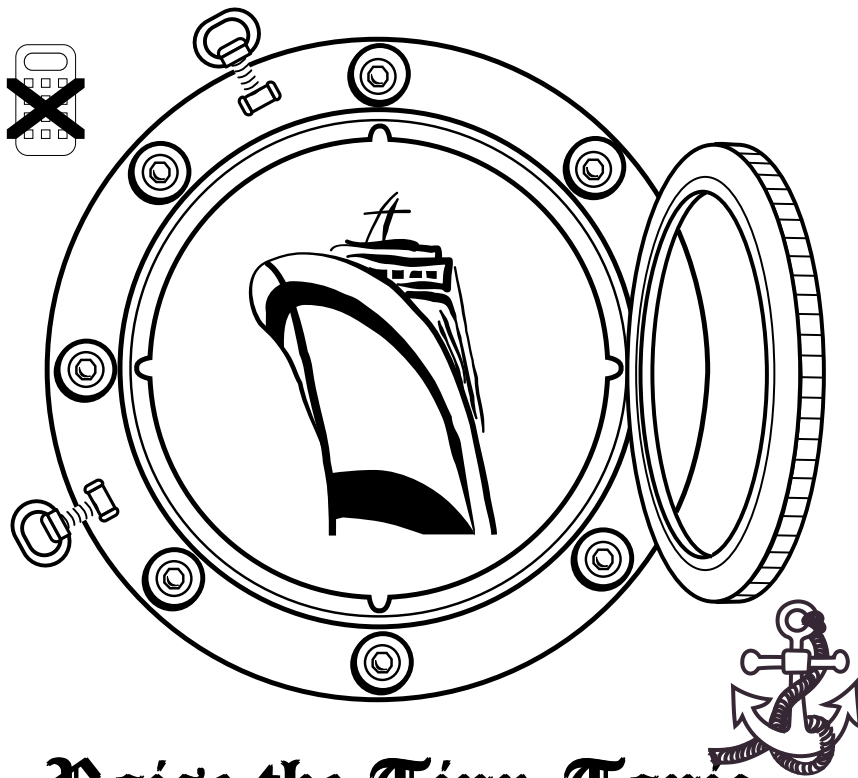


Player 2



Player 1

Player 2



## Raise the Tiny-Tanic.

The race is on to see who can raise their Tiny-Tanic first.

Both players start at 917 ml.

The first player to raise their Tiny-Tanic to 1 l 200 ml is the winner.

Take it in turns to roll two dice.

**Multiply** the two scores together.

**Add** this on to the level you are at.

If you make a mistake you go down 50 ml.

The two measuring cylinders are there to help your calculations.

