Measuring

We use different things to measure with depending on what we are measuring.

Liquids

Measuring syringe

Measuring cylinder

Measuring jug

Both

Measuring spoons

Measuring cups

Solids
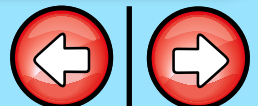
Tape measure

Kitchen scales
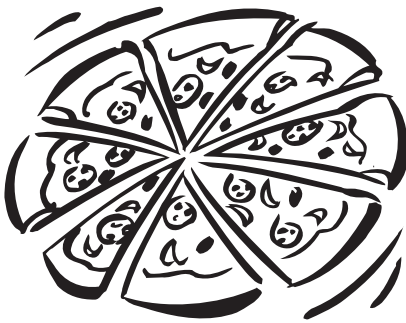
Tape measure

Ruler

Balance scales

Bathroom scales

1000 millimetres = 1 metre
1000 millilitres = 1 litre
1000 grams = 1kilogram

Fractions

It is important to recognise fractions in everyday things.
Look at the following pictures and decide whether the statements are true or false. Write a F for false and a T for true.

1. The pizza has been cut into quarters.

2. The pizza has been into eighths.

3. Two slices make a quarter of the pizza.
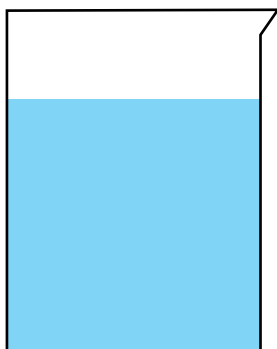
4. Five slices make half of the pizza.
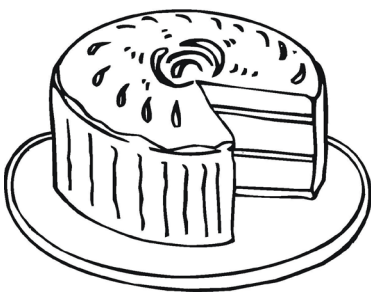
5. One sixth of the cake has been eaten.

6. Half of the cake has been eaten.

7. Five sixths of the cake is left.

8. Three quarters of the cake is left.
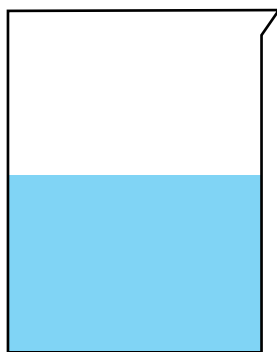
9. How full is the beaker?
   Circle the correct answer.

   $\dfrac{2}{5}$ $\dfrac{1}{4}$ $\dfrac{4}{10}$ $\dfrac{1}{2}$ $\dfrac{3}{4}$ $\dfrac{2}{3}$

10. How full is the beaker?
    Circle the correct answer.

   $\dfrac{2}{5}$ $\dfrac{1}{4}$ $\dfrac{4}{10}$ $\dfrac{1}{2}$ $\dfrac{3}{4}$ $\dfrac{2}{3}$

Money

When spending money it is important to know if you have enough money to pay for something and how much change to expect.

Hassim's Dad needs to put petrol in his scooter. Here are the coins he has.
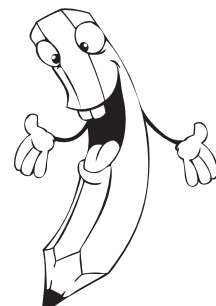
1. Is there enough to buy £5 worth of petrol?

....

2. How much money will he have left?

....

3a. Emma has £2 pocket money. She wants to buy a comic which costs £1.50 and some fruit fizzers which cost 46p. How much does that come to?

£1.50 + 46p = ...

3b. Does she have enough money? ....

3c. If so how much change should she get? ....

£2 - .... = ...

4a. Sue has £1.20 in her purse. She wants to buy some chocolate which costs 60p and a note book which costs 50p. How much does that come to?

.... + ... = ...

4b. Does she have enough money? ....

4c. If so how much change should she get? ....

.... - .... = ...

Name: _____

Multiplication and division

Multiplication and division are the opposite of each other.
So if 2 x 4 = 8   then 8 ÷ 4 = 2   and 8 ÷ 2 = 4
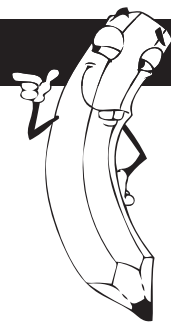
Try the sums below.

1. 3 x 4 = 12   then 12 ÷ 3 = ...   and 12 ÷ 4 = ...

2. 4 x 5 = 20   then 20 ÷ 4 = ...   and 20 ÷ 5 = ...

3. 12 x 21 = 252   then 252 ÷ 12 = ...   and 252 ÷ 21 = ...

4. 28 ÷ 7 = 4   then 7 x 4 = ...   and ....

5. 81 ÷ 9 = 9   then 9 x 9 = ...   and ....

6. 500 ÷ 25 = 20   then 20 x 25 = ...   and ....

Look carefully at the following problems and complete the sums.

7. Samuel loves books and keeps them on 3 shelves in his bedroom. If each
    shelf contains 20 books how many books does Samuel have?

....

a. Now check your answer by doing a division sum.

....

8. Emma collects shoes for her dolls and keeps them in 5 drawers in her dolls
    house. If each drawer contains 18 pairs of shoes, how many pairs shoes does
    Emma have?

....

a. Now check your answer by doing a division sum.

....
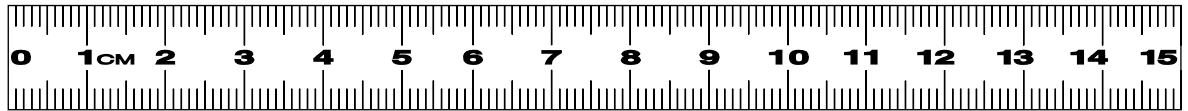
Measurements

Look at the measurements below and mark on the ruler where they would be.
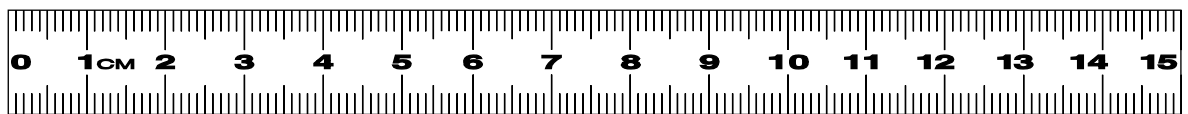

| 2 cm | 7 cm | 3.5 cm | 1cm |

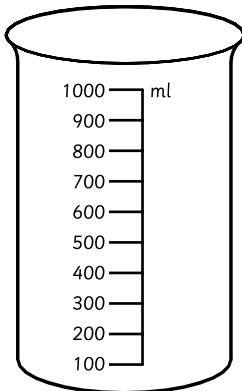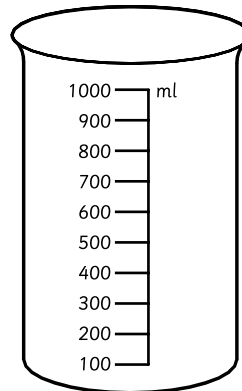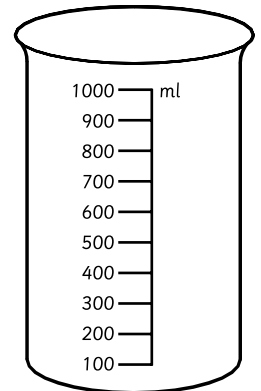| 2.5 cm | 14.3 cm | 6.5 cm | .5cm |

Look at the measurements below and mark on the beaker where they would be.
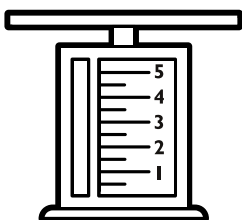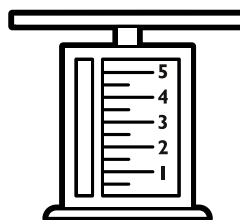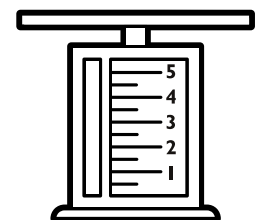

| 300ml | 750ml | 875ml |

Look at the measurements below and mark on the scales where they would be.

| 1.5 kg | 4.5kg | $\frac{1}{2}$ kg |