

Dividing Decimals by 10, 100, 1000

Learn the following simple rules for decimals :-

If you divide by 10,

=> move all the figures **ONE** place **RIGHT**
(or move the point one place left).

If you divide by 100,

=> move all the figures **TWO** places **RIGHT**
(or move the point two places left).

If you divide by 1000,

=> move all the figures **THREE** place **RIGHT**
(or move the point three places left).

$$\begin{array}{r} 2.57 \\ 10 \overline{) 25.7} \end{array}$$

$$\begin{array}{r} 3.294 \\ 100 \overline{) 329.4} \end{array}$$

$$\begin{array}{r} 0.5291 \\ 1000 \overline{) 529.1} \end{array}$$

Be able to divide a decimal by 10, 100, 100

Exercise 2

1. Write down the answers to the following :-

a $15.2 \div 10$

b $37.8 \div 10$

c $5.95 \div 10$

d $437.6 \div 10$

e $17.93 \div 10$

f $245.38 \div 10$

g $19.04 \div 10$

h $13 \div 10$

i $7 \div 10$

j $0.97 \div 10$

k $0.8 \div 10$

l $0.054 \div 10$.

2. Do the following :-

a $934.5 \div 100$

b $976.23 \div 100$

c $75.9 \div 100$

d $16.03 \div 100$

e $730 \div 100$

f $942 \div 100$

g $8.7 \div 100$

h $0.6 \div 100$.

3. Do the following :-

a $8475.2 \div 1000$

b $39764.3 \div 1000$

c $9370 \div 1000$

d $836.1 \div 1000$

e $750 \div 1000$

f $300 \div 1000$

g $92.3 \div 1000$

h $14 \div 1000$.

4. a When 100 paper clips are weighed, their total weight is 19.6 grams.

What is the weight of 1 paper clip ?

b 10 people formed a syndicate who got 5 numbers up in the lottery.

If they received a total of £2894.50, how much did each individual receive ?



5. There are 1000 metres in 1 kilometre. How many kilometres are there in :-

a 2639 metres

b 535.1 metres

c 86.7 metres

d 3.05 metres ?

6. 84.3 grams of aspirin powder is packed equally into 100 capsules.

What is the weight of powder in each capsule ?

