Find a quarter

1 Here are 8 counters. ● ● ● ●
● ● ● ●

a) Share the counters equally into 4 groups.

b) Complete the sentences.

$\boxed{8}$ counters are shared equally
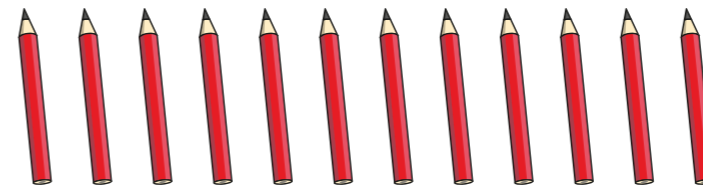
between $\boxed{4}$ groups.

There are $\boxed{2}$ counters in each group.
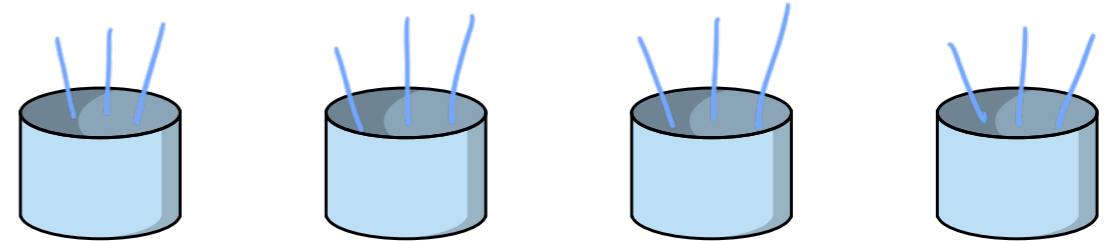
c) What is $\frac{1}{4}$ of 8? $\boxed{2}$

How did you work this out?
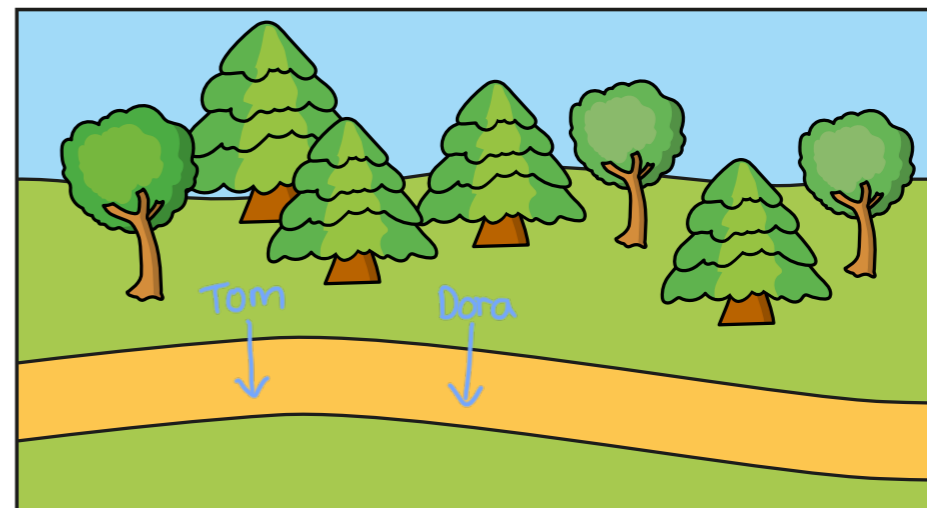
2 There are 12 pencils.

a) Share them equally between 4 pencil pots.

b) What is $\frac{1}{4}$ of 12? $\boxed{3}$

3 Tom and Dora are walking along a path.
By midday Dora has walked halfway.
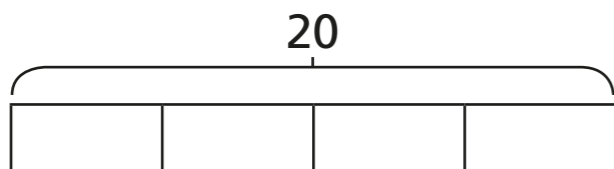Tom has walked a quarter of the way.

Tom   Dora

a) Draw an arrow to show where Dora is.

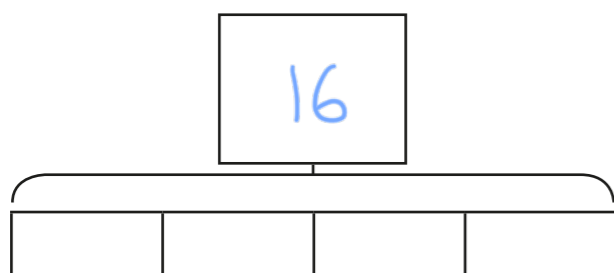**b)** Draw an arrow to show where Tom is.

4 Use the bar models to help you work out a quarter.
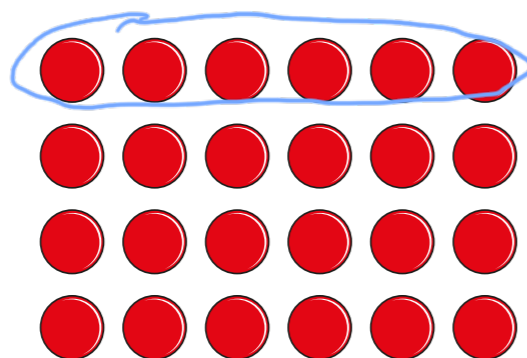
a) Work out $\frac{1}{4}$ of 20

20

$\frac{1}{4}$ of 20 = 5
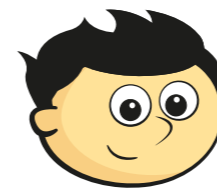
b) Work out $\frac{1}{4}$ of 16

16

$\frac{1}{4}$ of 16 = 4

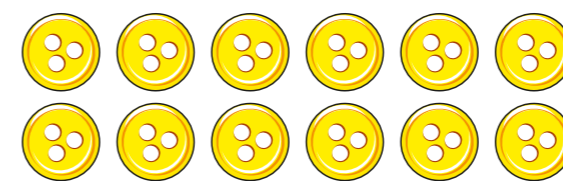**5** Show that $\frac{1}{4}$ of 24 is 6

6 I can find a quarter by halving a number and halving again.
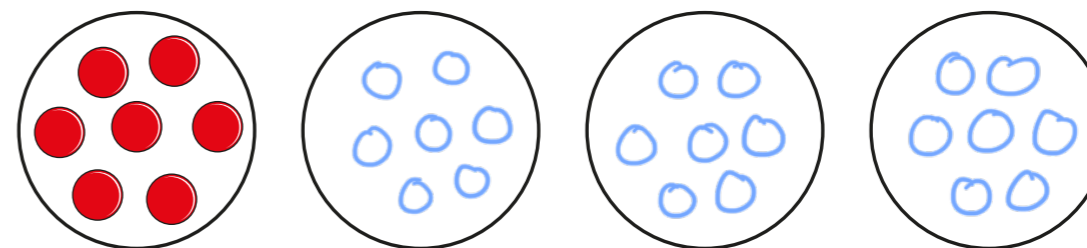
Use this method to find $\frac{1}{4}$ of 12

$\frac{1}{4}$ of 12 = 3

7 Complete the table.

Number	$\frac{1}{2}$ of Number	$\frac{1}{4}$ of Number
8	4	2
20	10	5
24	12	6

8 $\frac{1}{4}$ of a number is 7

What is the number?

The number is 28