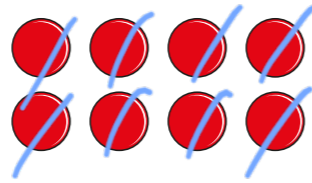


# Find a quarter

1 Here are 8 counters.



a) Share the counters equally into 4 groups.



b) Complete the sentences.

counters are shared equally

between  groups.

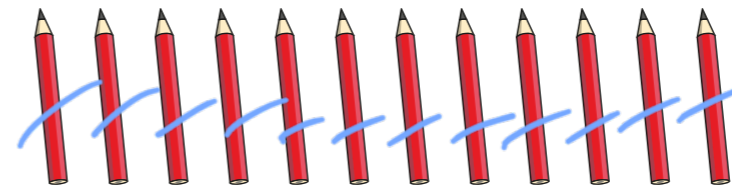
There are  counters in each group.

c) What is  $\frac{1}{4}$  of 8?

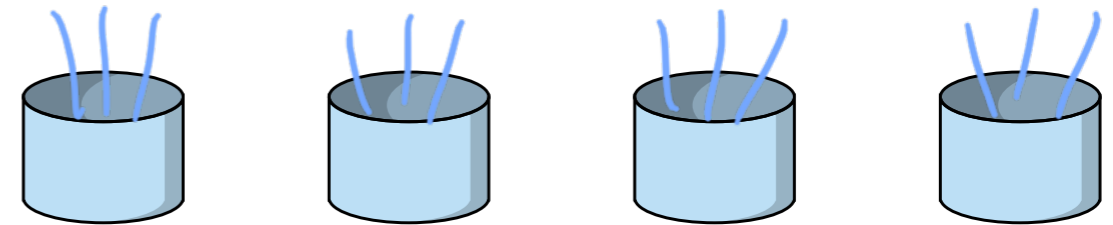
How did you work this out?



2 There are 12 pencils.

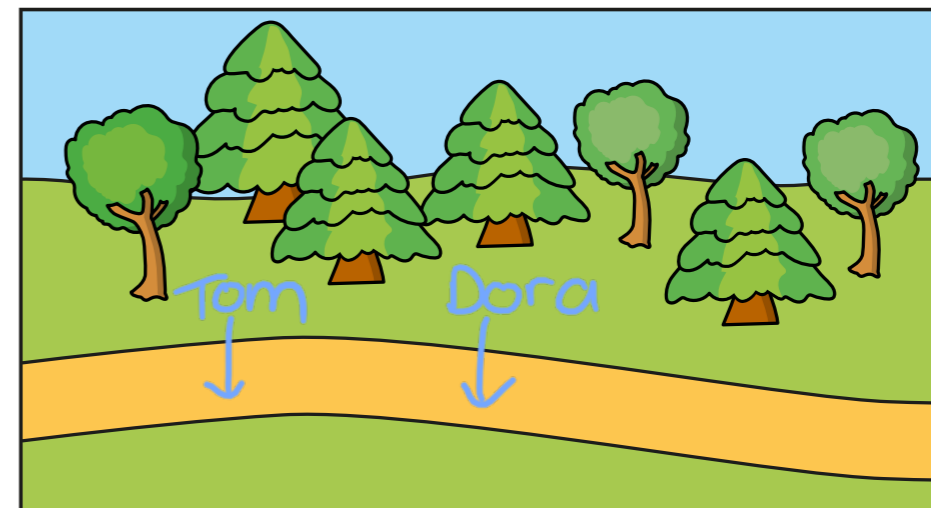


a) Share them equally between 4 pencil pots.



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

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

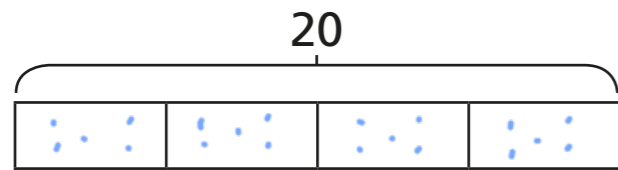


a) Draw an arrow to show where Dora is.  
b) Draw an arrow to show where Tom is.



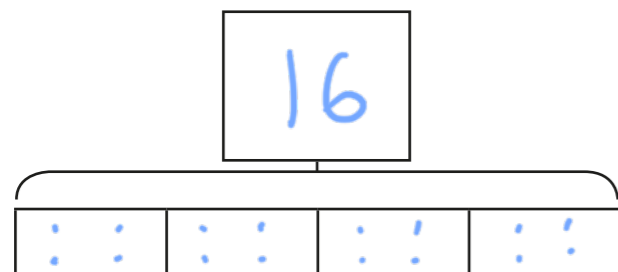
- 4 Use the bar models to help you work out a quarter.

a) Work out  $\frac{1}{4}$  of 20



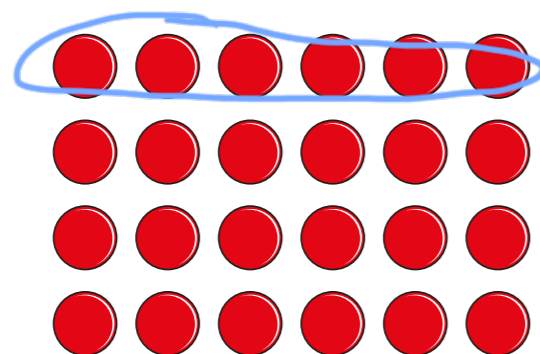
$$\frac{1}{4} \text{ of } 20 = \boxed{5}$$

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

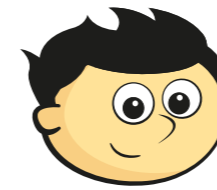


$$\frac{1}{4} \text{ of } 16 = \boxed{4}$$

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

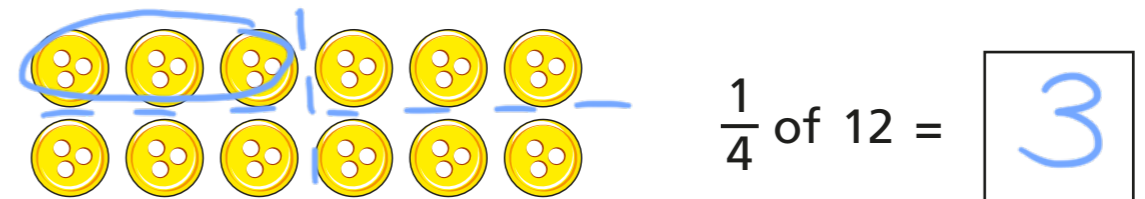


6



I can find a quarter by halving a number and halving again.

Use this method to find  $\frac{1}{4}$  of 12

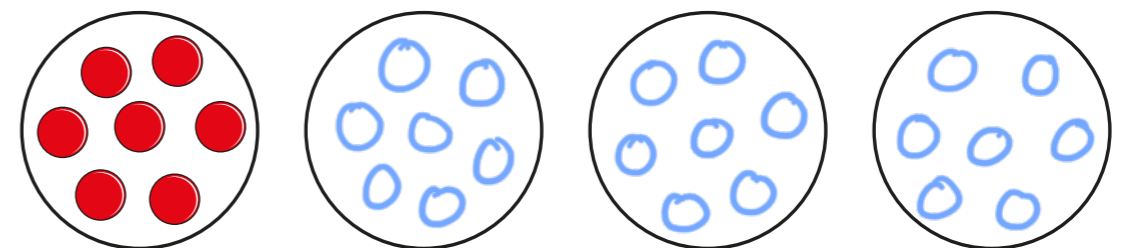


- 7 Complete the table.

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  $\boxed{28}$

