

# Find a quarter

1 Here are 8 counters.



a) Share the counters equally into 4 groups.

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b) Complete the sentences.

counters are shared equally

into  groups.

There are  counters in each group.

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

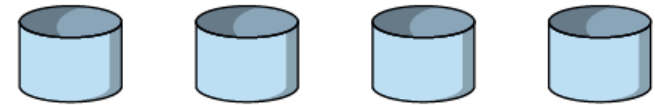
How did you work this out?



2 There are 12 pencils.



a) Share them equally between 4 pencil pots.

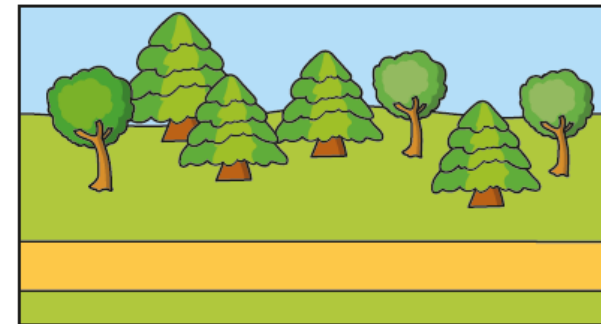


b) What is  $\frac{1}{4}$  of 12?

3 Tom and Kay are walking along a path.

Kay is halfway along the path.

Tom is a quarter of the way along the path.



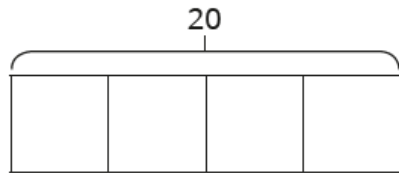
a) Draw an arrow to show where Kay is.

b) Draw an arrow to show where Tom is.



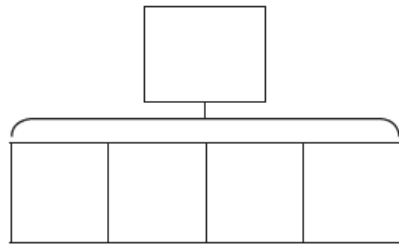
4 Use the bar models to help you.

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



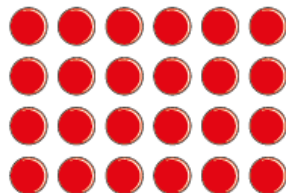
$$\frac{1}{4} \text{ of } 20 = \square$$

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



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

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



6

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

Use Kim's method to find  $\frac{1}{4}$  of 12

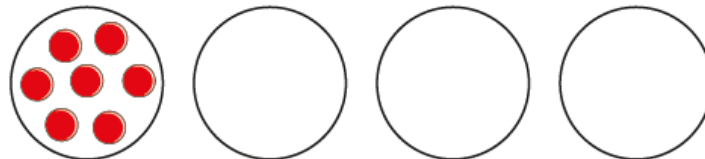


$$\frac{1}{4} \text{ of } 12 = \square$$

7 Complete the table.

Number	$\frac{1}{2}$ of number	$\frac{1}{4}$ of number
8		
20		
24		

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



What is the number?