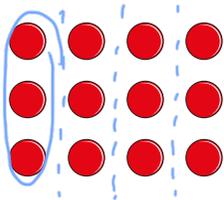


# Fractions of a set of objects (1)

1 Here are some counters.



a) Circle  $\frac{1}{4}$  of the counters.

b) How many counters did you circle?

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

2 Draw counters in the bar models to help you complete each number sentence. The first one has been done for you.

a)  $\frac{1}{2}$  of 8 =

b)  $\frac{1}{2}$  of 16 =

c)  $\frac{1}{4}$  of 8 =

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



3



To find a half I need to divide by 2

Do you agree with Dexter? yes

Talk about it with a partner.

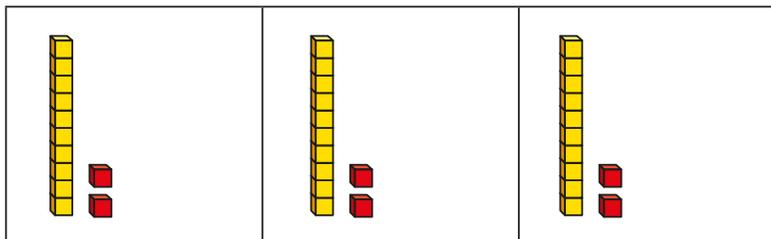
4

Complete the table.

Fraction	Division	Example	Drawing
one half	divide by 2	$\frac{1}{2}$ of 6 = 3	
one quarter	divide by 4	$\frac{1}{4}$ of 8 = 2	
one third	divide by 3	$\frac{1}{3}$ of 15 = 5	
one fifth	divide by 5	$\frac{1}{5}$ of 15 = 3	



- 5 Huan uses a bar model and base 10 to find  $\frac{1}{3}$  of 36

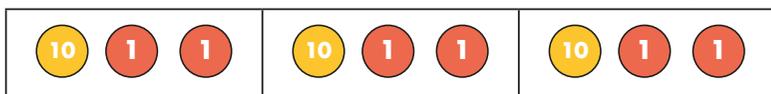


Use Huan's method to complete the calculations.

a)  $\frac{1}{3}$  of 63 =       c)  $\frac{1}{4}$  of 92 =

b)  $\frac{1}{4}$  of 48 =

- 6 Nijah uses a bar model and place value counters to find  $\frac{1}{3}$  of 36



Use Nijah's method to complete the calculations.

a)  $\frac{1}{3}$  of 96 =       c)  $\frac{1}{4}$  of 52 =

b)  $\frac{1}{5}$  of 60 =

- 7 Which amount is greater? Tick your answer.

$\frac{1}{3}$  of £75    or      $\frac{1}{5}$  of £75

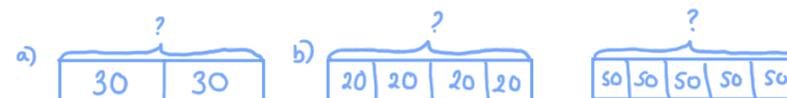
$\frac{1}{3}$  of £75 = £25  
 $\frac{1}{5}$  of £75 = £15

Show your workings.

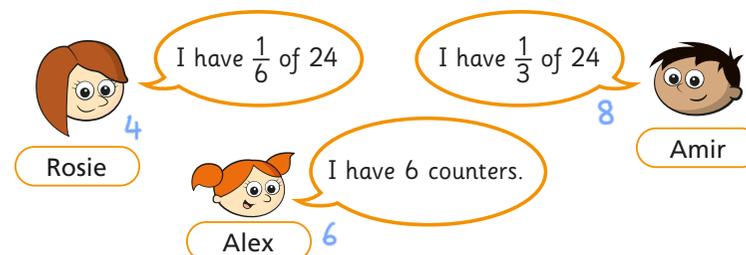
- 8 Complete the number sentences.

a)  $\frac{1}{2}$  of  = 30      c)  $\frac{1}{5}$  of  = 50

b)  $\frac{1}{4}$  of  = 20



- 9 Rosie, Amir and Alex each find a fraction of 24 using counters.



- a) Order the children from least counters to most counters.



- b) What fraction of the counters does Alex have?  $\frac{6}{24} = \frac{1}{4}$
- c) Rosie and Amir put their counters together.

Write their total number of counters as a fraction of 24

$4 + 8 = 12$