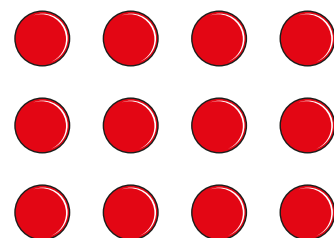


Unit fractions of a set of objects

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.



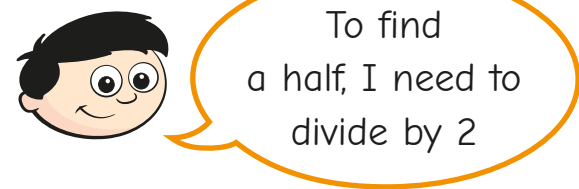
a)  $\frac{1}{2}$  of 8 =  4

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

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

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

3 Dexter is finding fractions of amounts.

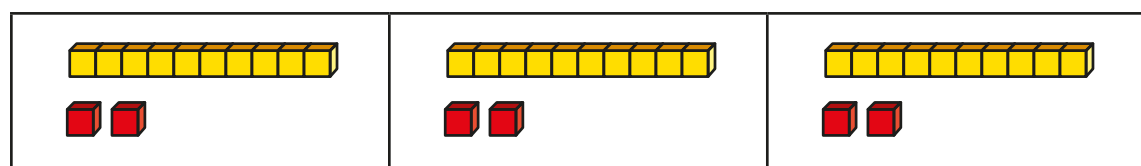


Do you agree with Dexter? \_\_\_\_\_  
Talk about it with a partner.

4 Complete the table.

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

- 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 =  d)  $\frac{1}{6}$  of 78 =

- 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 =  d)  $\frac{1}{8}$  of 96 =

- 7 Which amount is greater? Tick your answer.

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

Show your workings.

- 8 Complete the number sentences.

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

c)  $\frac{1}{5}$  of  = 10

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

d)  $\frac{1}{3}$  of  = 30

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

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

fewest counters most counters

- b) What fraction of 24 counters does Alex have?

- c) Rosie and Amir put their counters together.

Write their total number of counters as a fraction of 24