1 Here are some counters.
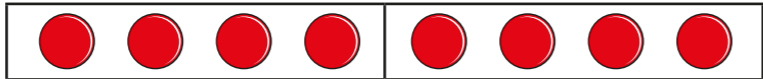

a) Circle $\frac{1}{4}$ of the counters.
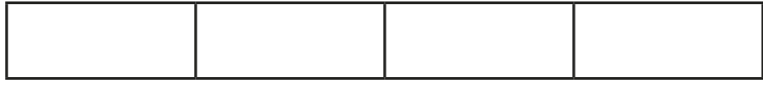
b) How many counters did you circle? ☐

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
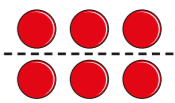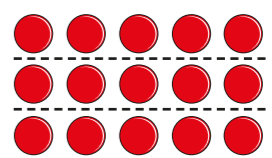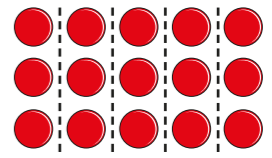
To find a half I need to divide by 2

Do you agree with Dexter? _____

Talk about it with a partner.

4 Complete the table.

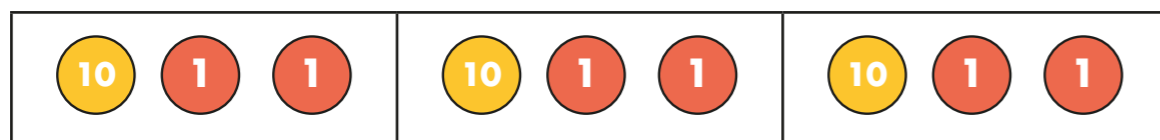| Fraction	Division	Example	Drawing
one half	divide by 2	$\frac{1}{2}$ of 6 = 3	
one quarter		$\frac{1}{4}$ of 8 = 2	

5 Huan uses a bar model and base 10 to find $\frac{1}{3}$ of 36
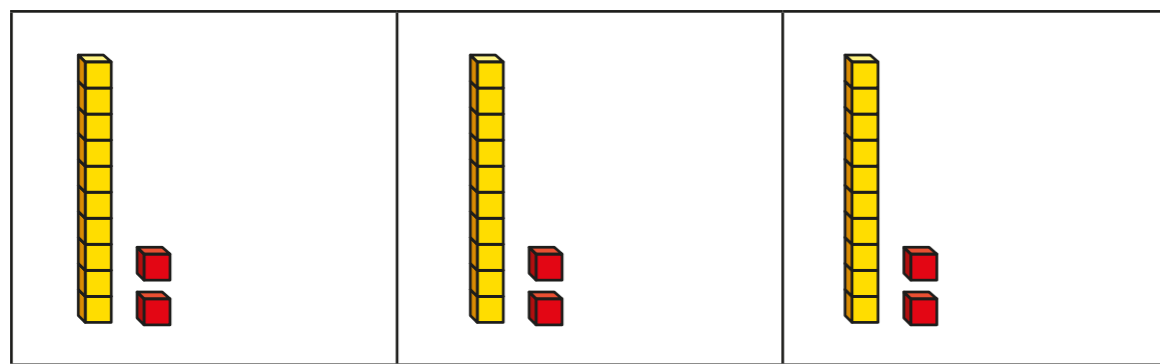
Use Huan's method to complete the calculations.

a) $\frac{1}{3}$ of 63 = ▢

c) $\frac{1}{4}$ of 92 = ▢

b) $\frac{1}{4}$ of 48 = ▢

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

| 10 | 1 | 1 | 10 | 1 | 1 | 10 | 1 | 1 |

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

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.

I have $\frac{1}{6}$ of 24

I have $\frac{1}{3}$ of 24

I have 6 counters.

Rosie

Alex

Amir

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

_____   _____   _____

least counters   most counters

b) What fraction of the counters does Alex have? ▢

c) Rosie and Amir put their counters together.

Write their total number of counters as a fraction of 24 ▢