

- 1 Draw counters in the bar models to help you complete each number sentence.

a)  $\frac{2}{3}$  of 15 =



b)  $\frac{3}{4}$  of 8 =



c)  $\frac{2}{5}$  of 20 =



- 2 Match the questions and answers.

$\frac{2}{3}$  of 9 = ?

9

$\frac{3}{5}$  of 15 = ?

6

$\frac{5}{6}$  of 12 = ?

15

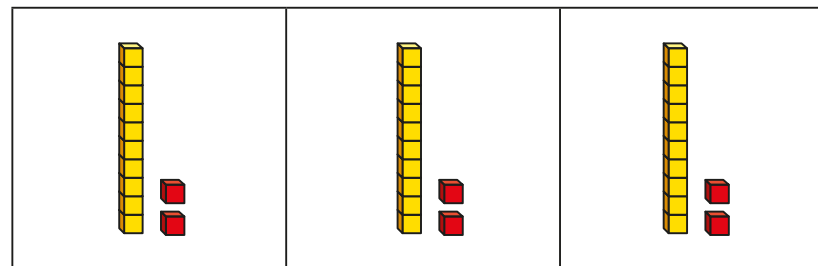
$\frac{3}{4}$  of 20 = ?

10

- 3 What is  $\frac{6}{6}$  of 18?  
How do you know?



- 4 Brett uses a bar model and base 10 to find  $\frac{2}{3}$  of 36



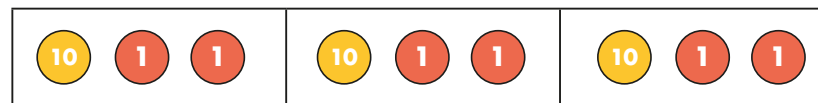
Use Brett's method to complete the number sentences.

a)  $\frac{2}{3}$  of 63 =

b)  $\frac{3}{4}$  of 48 =

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

- 5 Kim uses a bar model and place value counters to find  $\frac{2}{3}$  of 36



Use Kim's method to complete the number sentences.

a)  $\frac{2}{3}$  of 96 =

b)  $\frac{3}{5}$  of 60 =

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

- 6 Complete the number sentences.

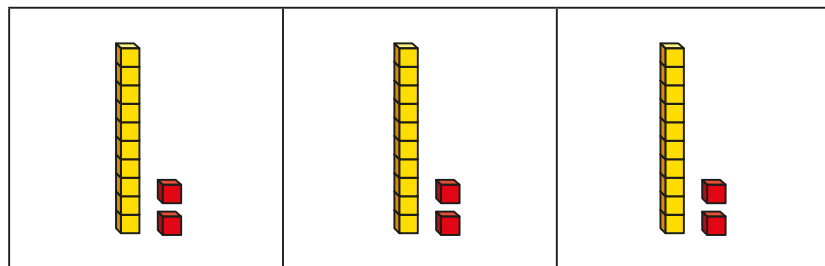
a)  $\frac{2}{3}$  of  = 30

b)  $\frac{3}{4}$  of  = 30

c)  $\frac{5}{6}$  of  = 30



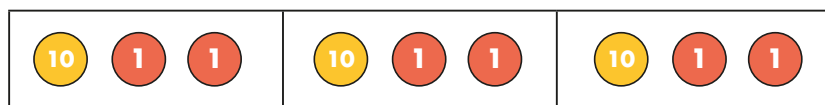
- 4 Brett uses a bar model and base 10 to find  $\frac{2}{3}$  of 36



Use Brett's method to complete the number sentences.

a)  $\frac{2}{3}$  of 63 =     b)  $\frac{3}{4}$  of 48 =     c)  $\frac{3}{4}$  of 92 =

- 5 Kim uses a bar model and place value counters to find  $\frac{2}{3}$  of 36



Use Kim's method to complete the number sentences.

a)  $\frac{2}{3}$  of 96 =     b)  $\frac{3}{5}$  of 60 =     c)  $\frac{3}{4}$  of 52 =

- 6 Complete the number sentences.

a)  $\frac{2}{3}$  of  = 30    b)  $\frac{3}{4}$  of  = 30    c)  $\frac{5}{6}$  of  = 30

7



Tommy

To find  $\frac{3}{4}$  of 12,  
you divide by 4 and then  
multiply the answer by 3

To find  $\frac{3}{4}$  of 12,  
you divide by 3 and then  
multiply the answer by 4



Dexter

Who is correct?

How do you know? Show your working.

8

Dora, Whitney and Ron each find a fraction of 24 using counters.



Dora

I have  $\frac{5}{6}$  of 24

I have  $\frac{2}{3}$  of 24



Whitney



I have 18 counters.

- a) Who has the most counters? Show your workings.  
b) How many more counters does Dora have than Whitney?

9

Write fractions to make the statements correct.

of 36 < 18

of 36 = 18

of 36 > 18

How many different answers can you find for each?

Compare with a partner.