

# Fractions of a set of objects (2)

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

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

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

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

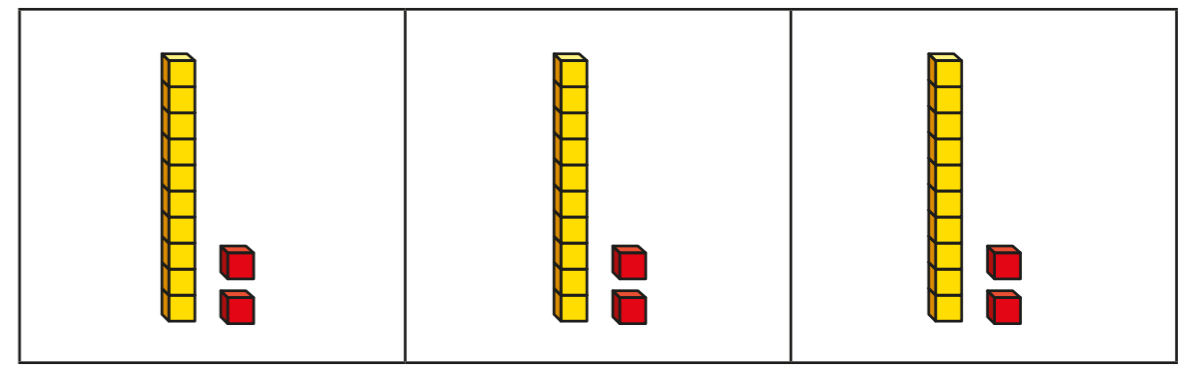
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2 Match the questions and answers.

$\frac{2}{3}$ 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?

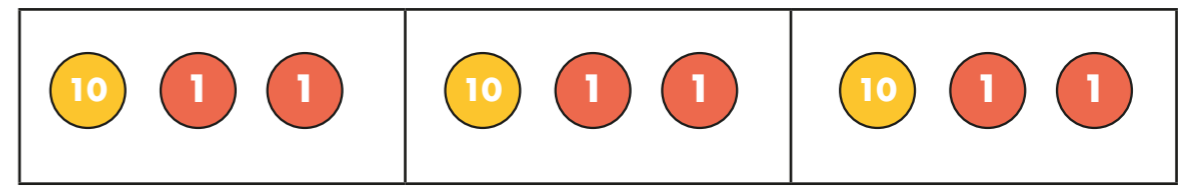
4 Brett uses a bar model and base 10 to find  $\frac{2}{3}$  of 36



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

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

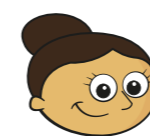


Dexter

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



Ron

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.