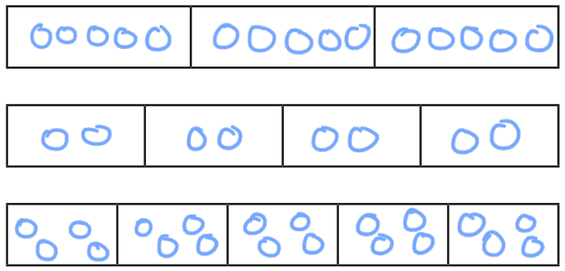
Fractions of a set of objects (2)

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

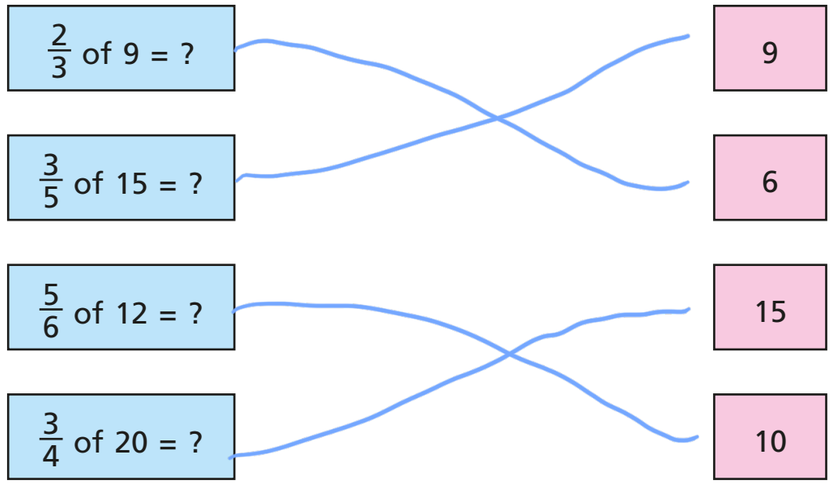
a) $\frac{2}{3}$ of 15 = 10

b) $\frac{3}{4}$ of 8 = 6

c) $\frac{2}{5}$ of 20 = 8



2 Match the questions and answers.

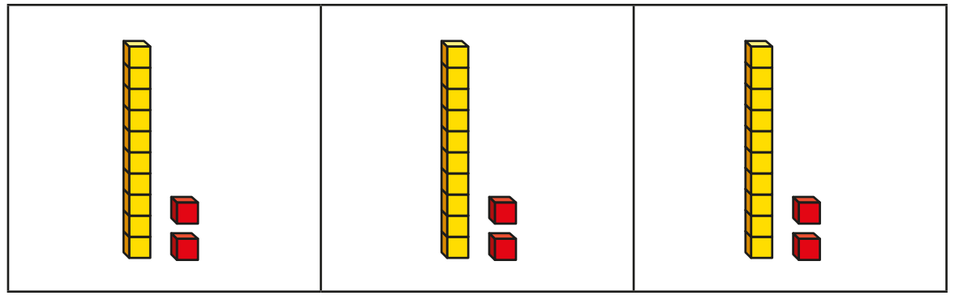


3 What is $\frac{6}{6}$ of 18?

18

How do you know?

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



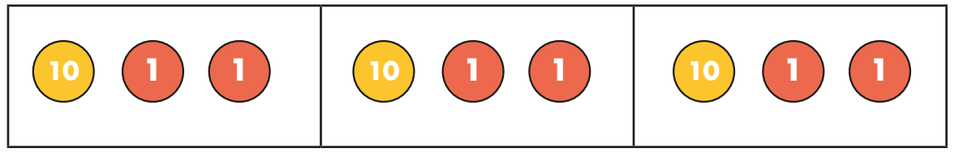
Use Brett's method to complete the number sentences.

a) $\frac{2}{3}$ of 63 = 42

b) $\frac{3}{4}$ of 48 = 36

c) $\frac{3}{4}$ of 92 = 69

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 = 64

b) $\frac{3}{5}$ of 60 = 36

c) $\frac{3}{4}$ of 52 = 39

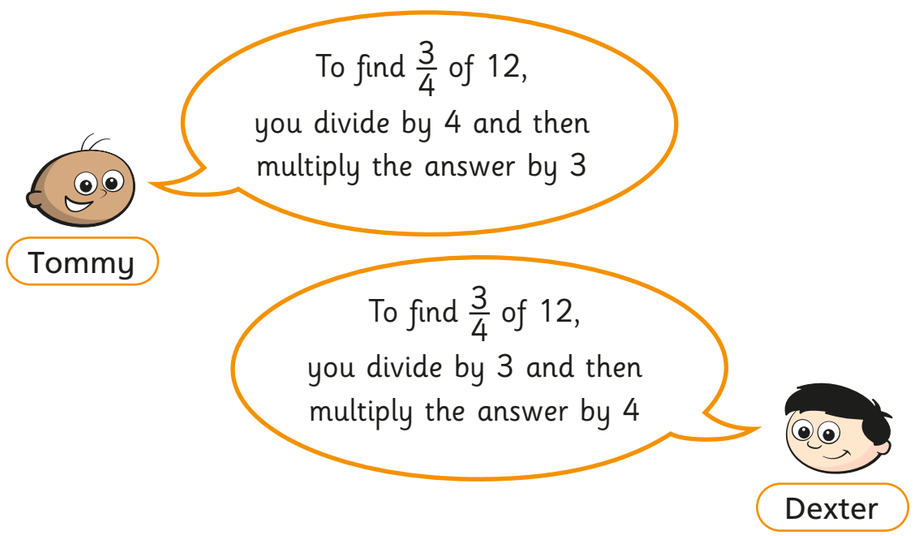
6 Complete the number sentences.

a) $\frac{2}{3}$ of $\boxed{45}$ = 30

b) $\frac{3}{4}$ of $\boxed{40}$ = 30

c) $\frac{5}{6}$ of $\boxed{36}$ = 30

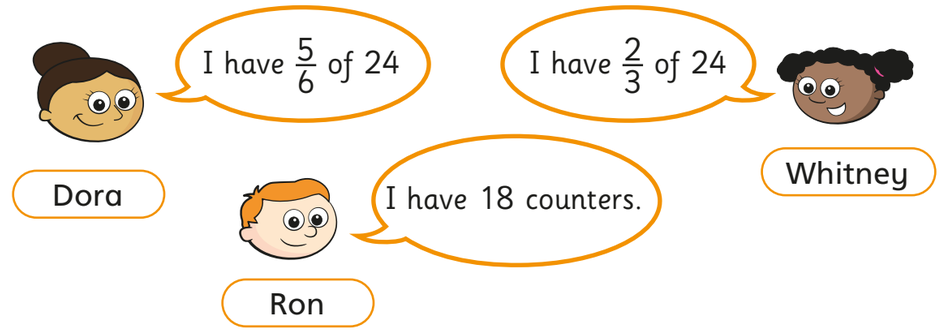
7



Who is correct? Tommy

How do you know? Show your working.

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



a) Who has the most counters? Show your workings.

$\frac{5}{6}$ of 24 = 20 $\frac{2}{3}$ of 24 = 16

Dora

b) How many more counters does Dora have than Whitney?

4

9 Write fractions to make the statements correct.

e.g.

$\boxed{\frac{1}{6}}$ of 36 < 18

$\boxed{\frac{1}{2}}$ of 36 = 18

$\boxed{\frac{3}{4}}$ of 36 > 18

How many different answers can you find for each?

Compare with a partner.