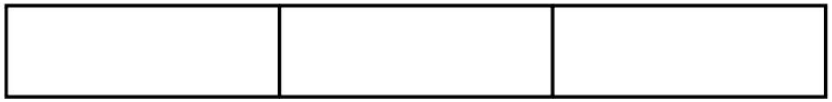
Fractions of a set of objects (2)

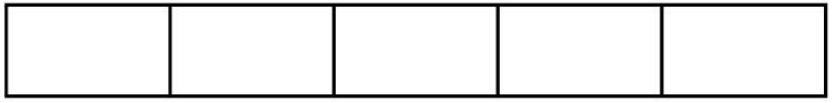
1 Draw counters in the bar models to help you complete each number sentence.

a) $\frac{2}{3}$ of 15 = ☐



b) $\frac{3}{4}$ of 8 = ☐

c) $\frac{2}{5}$ of 20 = ☐



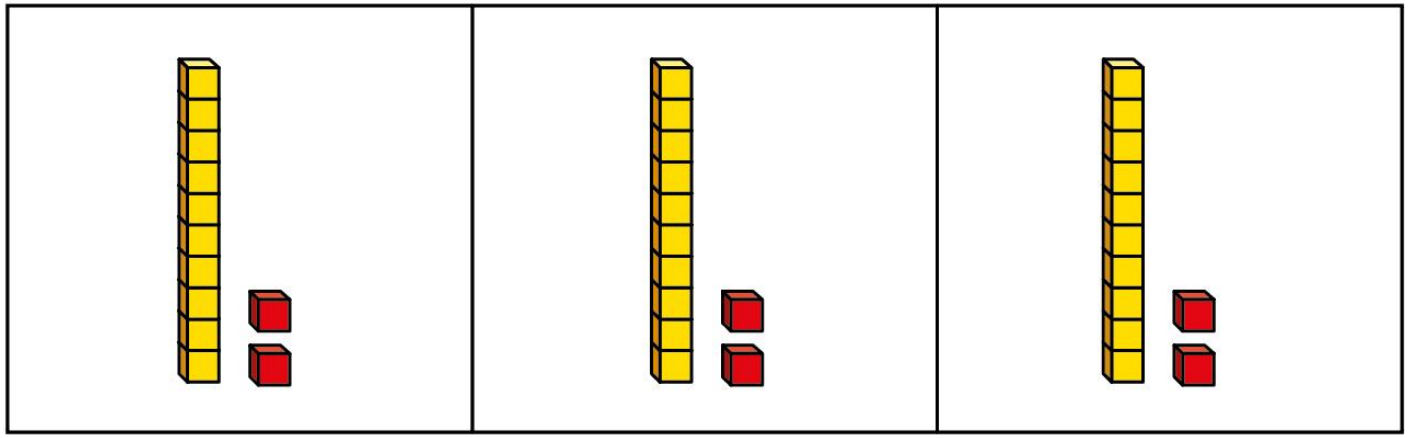
2 Match the questions and answers.

$\frac{2}{3}$ 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



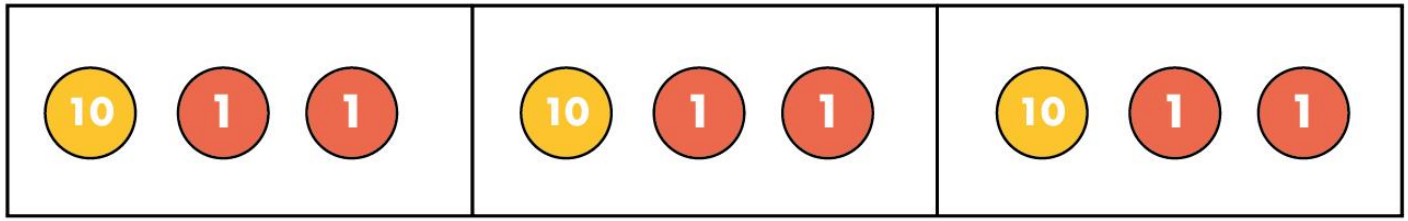
Use Brett's method to complete the number sentences.

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 $\square$ = 30

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

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

7

Tommy

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

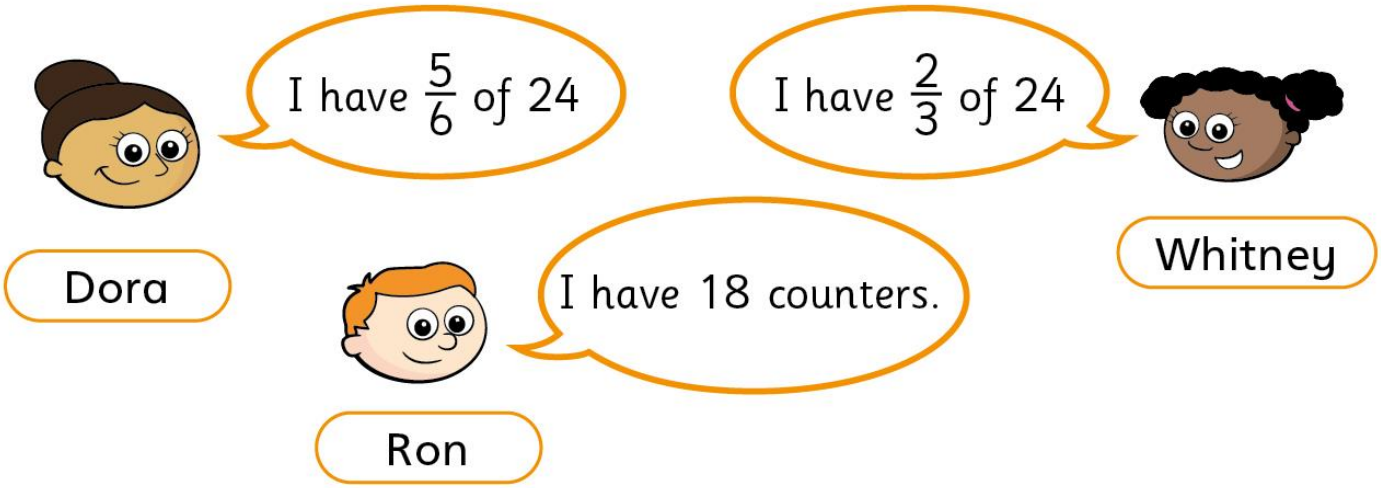
To find $\frac{3}{4}$ of 12,
you divide by 3 and then
multiply the answer by 4

Dexter

Who is correct? _____

How do you know? Show your working.

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



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.

$\square$ of 36 < 18

$\square$ of 36 = 18

$\square$ of 36 > 18

How many different answers can you find for each?

Compare with a partner.