Finding part of a set – Lesson 2

1) Put counters in the bar model to help you complete the calculations.

a) $\frac{2}{3}$ of 15 = ☐

b) $\frac{3}{4}$ of 8 = ☐

c) $\frac{2}{5}$ of 20 = ☐

2) Match the questions to the answers.

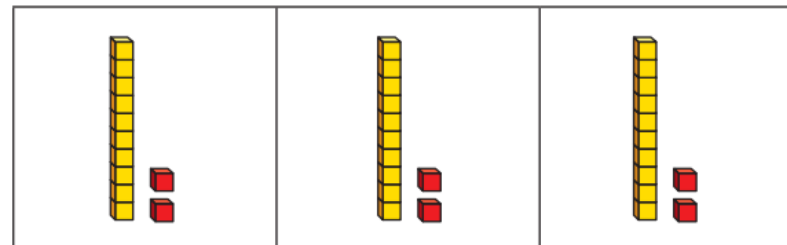|	
$\frac{2}{3}$ of 9 = ?	9
$\frac{3}{5}$ of 15 = ?	6
$\frac{5}{6}$ of 12 = ?	15
$\frac{3}{4}$ of 20 = ?	10

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 $\boxed{}$ = 30

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

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

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

I have $\frac{5}{6}$ of 24 — Dora

I have $\frac{2}{3}$ of 24 — Whitney

I have 18 counters. — Ron

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

_____

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

$\boxed{}$

8) Write the fractions to make the statements correct

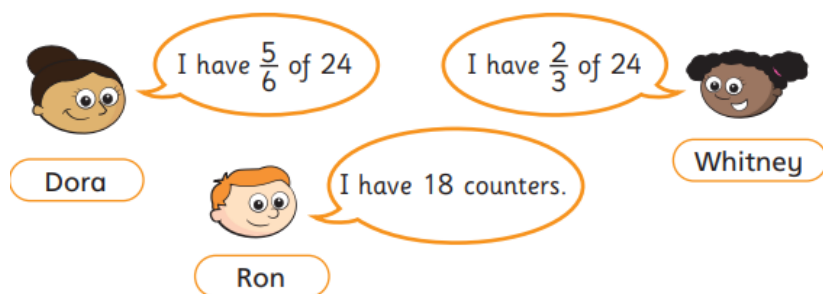$\boxed{}$ of 36 < 18

$\boxed{}$ of 36 = 18

$\boxed{}$ of 36 > 18

How many different answers can you find for each?