

Good morning, Year 3s.

For maths today, go to White Rose maths at <https://whiterosemaths.com/homelearning/year-3/> Find Summer Term - Week 6 - Lesson 4. Watch the video called 'Fractions of a set of objects 2' and complete the worksheets below. (The answers are at the end).

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 $\frac{6}{8}$ 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 =

When you have finished, I have set a task for you on Sundry.

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.

Answers

Fractions of a set of objects (2)

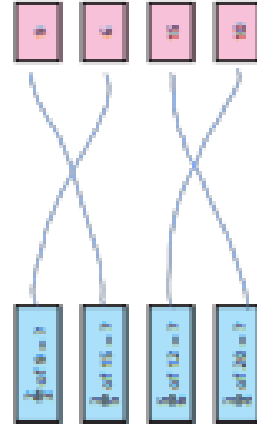
- 1 Draw counters in the bar models to help you complete each number sentence.

a) $\frac{1}{2}$ of 16 =

b) $\frac{1}{3}$ of 9 =

c) $\frac{1}{4}$ of 20 =

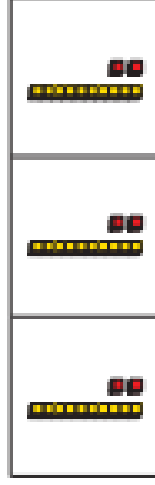
- 2 Match the questions and answers.



- 3 What is $\frac{1}{4}$ of 16?
How do you know?



- 4 Ben uses a bar model and base 10 to find $\frac{1}{4}$ of 36



Use Ben's method to complete the number sentences.

a) $\frac{1}{4}$ of 60 =

b) $\frac{1}{4}$ of 48 =

c) $\frac{1}{4}$ of 80 =

- 5 Kim uses a bar model and place value counters to find $\frac{1}{4}$ of 36



Use Kim's method to complete the number sentences.

a) $\frac{1}{4}$ of 66 =

b) $\frac{1}{4}$ of 48 =

c) $\frac{1}{4}$ of 80 =

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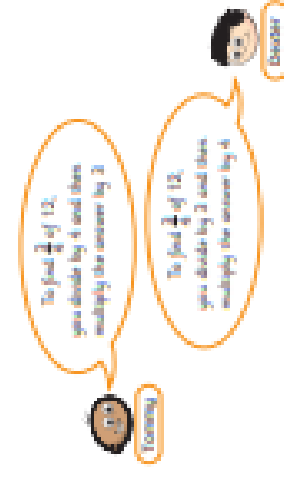
- 1 Complete the number sentences.

a) $\frac{1}{3}$ of = 15

b) $\frac{1}{4}$ of = 15

c) $\frac{1}{5}$ of = 6

- 2



Who is correct? Thomas
How do you know? Show your working.

- 3 Ben, Whitney and Ben each find a fraction of 24 using counters.



- 4 Who has the most counters? Show your working.

$\frac{1}{2}$ of 24 = 12 $\frac{1}{3}$ of 24 = 8 $\frac{1}{4}$ of 24 = 6

Ben

- 5 How many more counters does Ben have than Whitney?

$12 - 6 = 6$

- 6 Write fractions to make the statements correct.

$6 < 9$

$\frac{1}{3}$ of 36 = 18

$\frac{1}{5}$ of 36 = 18

$\frac{3}{4}$ of 36 = 18

How many different amounts can you find for each? Compare with a partner.