Class 3 Home Learning, week beginning 4th May 2020

Maths - Year 3

Week 2, Lesson 3
Fractions of a set of objects (2)

Please watch the video before choosing your challenge.

Why not have a go at the reasoning
and problem solving too?

Can I find a fraction of an amount?

Challenge 1

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

Questions 1-3 mentioned in the video are questions 1-3 in Challenge 1.

1) Copy and complete. Draw counters in the bar models to help you.

a) $\frac{2}{3}$ of 15 = ☐

b) $\frac{3}{4}$ of 8 = ☐

c) $\frac{2}{5}$ of 20 = ☐

2) Match the questions and the answers.

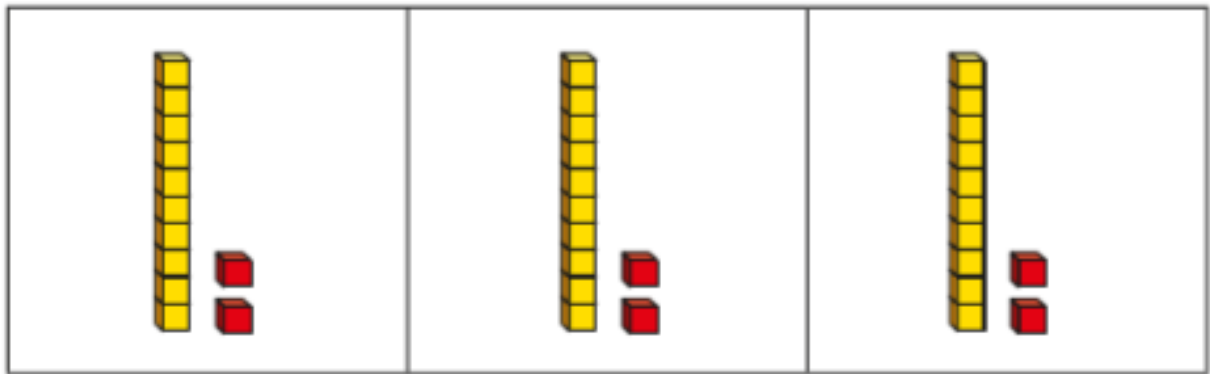| $\frac{2}{3}$ of 9 = ? | 9 |
$\frac{3}{5}$ of 15 = ?	6
$\frac{5}{6}$ of 12 = ?	15
$\frac{3}{4}$ of 20 = ?	10

3) Draw pictures and write words to answer this question.

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

How do you know?

4) Draw your answers in your maths book. Please use a ruler when drawing the base 10.

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 = ⬜

Can I find a fraction of an amount?

Challenge 2

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

> Questions 1-3 mentioned in the video are questions 1-3 in Challenge 1.
>
> Questions 5-9 in the answers are questions 1-5 in this challenge.

1) Draw your answers in your maths book.

Kim uses a bar model and place value counters to find $\frac{2}{3}$ of 36

10 1 1	10 1 1	10 1 1

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 = ☐

2) Copy and complete.

a) $\frac{2}{3}$ of ☐ = 30

b) $\frac{3}{4}$ of ☐ = 30

c) $\frac{5}{6}$ of ☐ = 30

3)

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

Tommy

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.

4) 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?

5) Copy and complete.

Write 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?

Can I find a fraction of an amount?

Reasoning and problem solving

These pages do not need to be printed out. Please write the short date you do the work and the above question in your maths book, underlining them with a ruler. Remember to write the question number too!

1) Remember to write and show how you know.

This is $\frac{3}{4}$ of a set of beanbags.
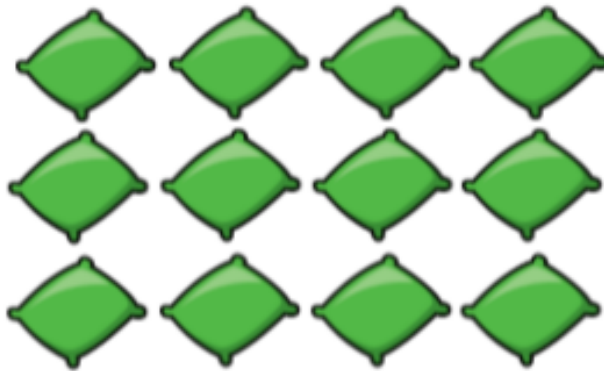
How many were in the whole set?

2) Remember to write and show how you know.

Ron has £28

On Friday, he spent $\frac{1}{4}$ of his money.

On Saturday, he spent $\frac{2}{3}$ of his remaining money and gave £2 to his sister.

On Sunday, he spent $\frac{1}{5}$ of his remaining money.

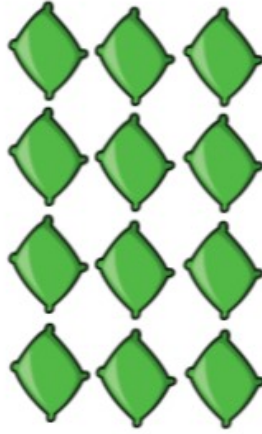How much money does Ron have left?

What fraction of his original amount is this?

Fraction of an Amount (2)

Reasoning and Problem Solving

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Ron has £28

On Friday, he spent $\frac{1}{4}$ of his money.

On Saturday, he spent $\frac{2}{3}$ of his remaining money and gave £2 to his sister.

On Sunday, he spent $\frac{1}{5}$ of his remaining money.

How much money does Ron have left?

What fraction of his original amount is this?

Ron has £4 left.

This is $\frac{1}{7}$ of his original amount.

This is $\frac{3}{4}$ of a set of beanbags.

How many were in the whole set?