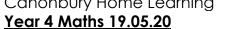
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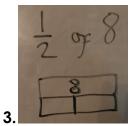
Steppingstone activity

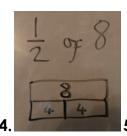
LO: To find fraction of a quantity

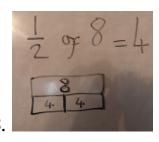
Success Criteria:

- 1. Look at your calculation
- 2. Draw a bar model
- 3. Divide your whole number by the denominator
- Break bar up in to those sections
- 5. Write answer

Model





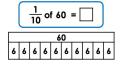


Now you try... Make equivalent fraction of the one below

1. Which is the answer to a quarter?



2.



6

3.



12

5

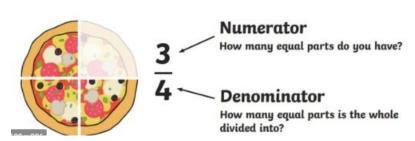
What calculations do these bar models show?

$$3 = 8$$

$$\frac{1}{4}$$
 of 24

$$\frac{1}{10}$$
 of 80

$$\frac{1}{3}$$
 of 15



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Year 4 Maths

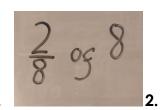
Lesson 19.05.20

LO: To find fraction of a quantity

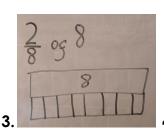
Success Criteria:

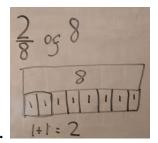
- 1. Look at your calculation
- 2. Draw a bar model
- 3. Divide your whole number by the denominator
- 4. Break bar up in to those sections
- 5. Write answer

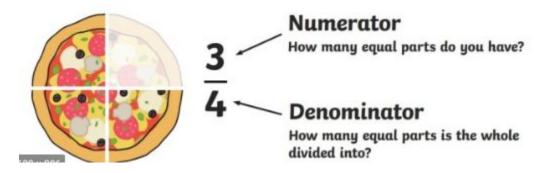
Model:













Canonbury Home Learning

Year 4 Maths Main activity

Complete at least 2 columns, more if you can!



Task 1

Practice:

Use a bar model to find the fraction of a quantity

1. If \(\frac{1}{4} \) of 40 is 10 then \(\frac{3}{4} \) of 80 is 60

If
$$\frac{1}{4}$$
 of 40 = $\boxed{}$
then $\frac{3}{4}$ of 80 = $\boxed{}$

$$\frac{3}{5}$$
 of 35

$$\frac{5}{6}$$
 of 36

$$\frac{9}{10}$$
 of 70

$$\frac{2}{3}$$
 of 36

$$\frac{3}{7}$$
 of 56

$$\frac{5}{7}$$
 of 28

 $\frac{3}{4}$ of 44

$$\frac{5}{8}$$
 of 72

Practice: (See if you can make equivalent fractions) Use a bar model to find the fraction of a quantity

1. If % of 75 is 30 then % of 150 is 120

If
$$\frac{2}{5}$$
 of 75 =

then
$$\frac{4}{5}$$
 of 150 =

2.
$$\frac{6}{9}$$
 of 27

$$\frac{4}{6}$$
 of 30

Task 2

3.
$$\frac{3}{8}$$
 of 80 7. $\frac{3}{5}$ of 25

4.
$$\frac{6}{9}$$
 of 270 8. $\frac{5}{10}$ of 46

5.
$$\frac{6}{12}$$
 of 40 9.

$$\frac{9}{12}$$
 of 32

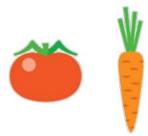


Task 3

Reasoning

Explain your answers.

5a. Tim is making a sauce. The recipe says to use $\frac{2}{3}$ the amount of carrots as tomatoes. Tim uses 15 tomatoes but he's unsure of how many carrots to use.



How many carrots does Tim need? Explain how you know.

5a. Tim needs 10 carrots because $15 \div 3 = 5$ and $5 \times 2 = 10$.

9b. Isabel and Jake calculated $\frac{4}{12}$ of 72.



The answer is the same as $\frac{4}{6}$ of 36.

I can multiply the answer by 10 to calculate $\frac{8}{12}$ of 720.



Who is correct? Explain how you know.

9b. Isabel is correct because 36 is half of72 and the fraction is double the originalso it will produce the same answer.

Task 4

Problem solving

Jofra is solving the calculation below using related facts.

$$\frac{6}{8}$$
 of 560



I can use $\frac{1}{8}$ of 56 to solve the calculation, as I could then multiply my answer by 6 and then 10.

Select the most suitable related facts that could be used to solve the calculation and explain your choices.

$$\frac{3}{4}$$
 of 56

$$\frac{3}{4}$$
 of 560

$$\frac{1}{4}$$
 of 56

$$\frac{3}{4}$$
 of 56 $\frac{6}{8}$ of 56 $\frac{3}{4}$ of 560 $\frac{1}{4}$ of 56 $\frac{1}{2}$ of 560

Various answers, for example: $\frac{6}{8}$ of 56 could be used as you could multiply the answer (42) by 10, which would give 420.

Explore the related facts that could be used to solve the following calculation:

$$\frac{4}{6}$$
 of 240

Various answers, for example: $\frac{2}{3}$ of 24, $\frac{4}{4}$ of 24, $\frac{1}{4}$ of 24