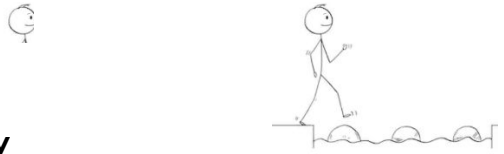


3/4

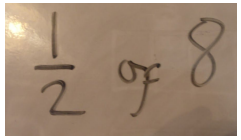
Numerator
How many equal parts do you have?

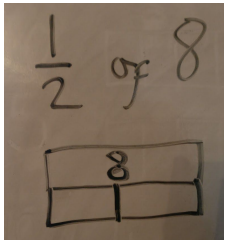
Denominator
How many equal parts is the whole divided into?

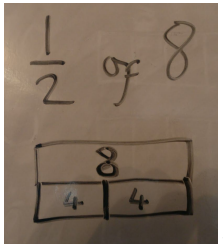
Year 4 Maths 19.05.20
Steppingstone activity
LO: To find fraction of a quantity
Success Criteria:

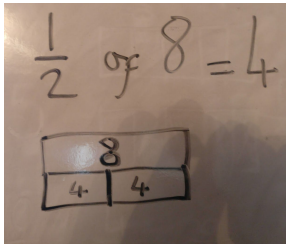
1. Look at your calculation
2. Draw a bar model
3. Divide your whole number by the denominator
4. Break bar up in to those sections
5. Write answer

Model

1. 

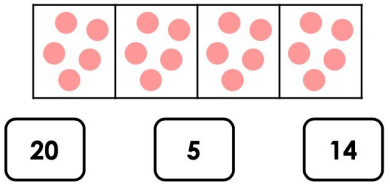
2, 3. 

4. 

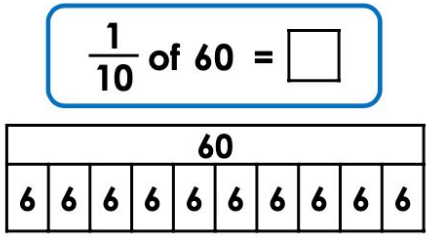
5. 

Now you try… Make equivalent fraction of the one below

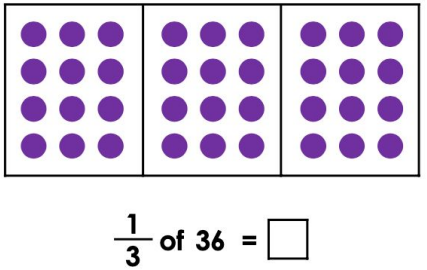
1. **Which is the answer to a quarter?**



2.



3.



What calculations do these bar models show?

3. $\frac{1}{2}$ of 16

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

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

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

Canonbury Home Learning

Year 4 Maths

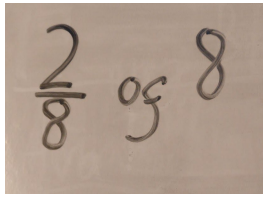
Lesson 19.05.20

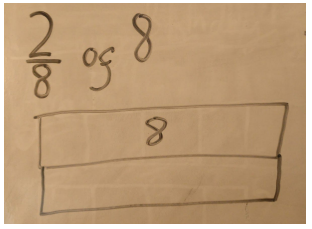
LO: To find fraction of a quantity

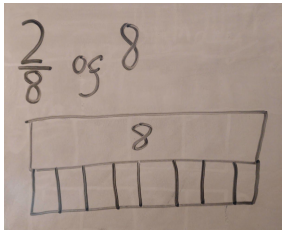
Success Criteria:

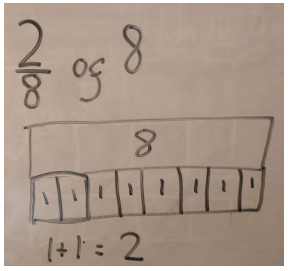
1. Look at your calculation
2. Draw a bar model
3. Divide your whole number by the denominator
4. Multiply by the numerator
5. Write answer

Model:

1. 

2. 

3. 

4, 5. 

$\frac{3}{4}$

Numerator
How many equal parts do you have?

Denominator
How many equal parts is the whole divided into?

Canonbury Home Learning

Year 4 Maths Main activity

Complete at least 2 columns, more if you can!

Task 1	Task 2
Practice: **Use a bar model to find the fraction of a quantity** 1. If $\frac{1}{4}$ of 40 = ☐ then $\frac{3}{4}$ of 80 = ☐ 2. $\frac{3}{5}$ of 35 3. $\frac{9}{10}$ of 70 4. $\frac{3}{7}$ of 56 5. $\frac{5}{8}$ of 72 6. $\frac{5}{6}$ of 36 7. $\frac{2}{3}$ of 36 8. $\frac{5}{7}$ of 28 9. $\frac{3}{4}$ of 44	**Practice:** **Use a bar model to find the fraction of a quantity** 1. If $\frac{2}{5}$ of 75 = ☐ then $\frac{4}{5}$ of 150 = ☐ 2. $\frac{6}{9}$ of 27 3. $\frac{3}{8}$ of 80 4. $\frac{6}{9}$ of 270 5. $\frac{6}{12}$ of 40 6. $\frac{4}{6}$ of 30 7. $\frac{3}{5}$ of 25 8. $\frac{5}{10}$ of 46 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.

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

Isabel

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.

Jake

Who is correct? Explain how you know.

Task 4

Problem solving

2. Jofra is solving the calculation below using related facts.

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

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

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

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