## I can find fractions of an amount - find the whole.

4.12.20

## Warm up...



## Examples



## Our task...

Fill in the missing information.
a) $\frac{1}{3}$ of $\square=20$
b) $80=\frac{4}{10}$ of $\square$

$$
\frac{2}{3} \text { of } \square=20
$$



$$
8=\frac{4}{10} \text { of } \square
$$

$\frac{4}{5}$ of $\square=120$

$$
800=\frac{4}{10} \text { of } \square
$$

$$
80=\frac{4}{100} \text { of } \square
$$

## Our task...

Mo pours $\frac{2}{5}$ of a full bottle of orange juice into an empty glass.
The glass now has 500 ml of orange juice in it. How many ml of orange juice is left in the bottle?

## Your Task

Varied fluency and problem solving questions.

## Your task...

## Varied Fluency

Jack has spent $\frac{2}{3}$ of his money.
He spent $£ 60$, how much did he have to start with?


Use a bar model to represent and solve the problems.

- Rosie eats $\frac{2}{5}$ of a packet of biscuits. She eats 10 biscuits.

How many biscuits were in the original packet?

- In an election, $\frac{3}{8}$ of a town voted. If 120 people voted, how many people lived in the town?
$\Delta$ Calculate:

| $\frac{1}{4}$ of $Z_{-}=12$ | $\frac{1}{4}$ of $-=36$ | $\frac{1}{4}$ of $-\quad=108$ |
| :--- | :--- | :--- |
| $\frac{1}{12}$ of $-=12$ | $\frac{3}{4}$ of $-=36$ | $\frac{4}{4}$ of $-=108$ |

## Reasoning and problem solving...



## Reasoning and problem solving...



## Reasoning and problem solving...



## Reasoning and problem solving...



## Plenary...




Test your knowledge with these challenges. How quick can you answer them?

## Plenary...

## Truelor False? Fratanof momest- Ard to uth <br> $\frac{1}{4}$ of Mr Bashir's monthly wage is f 180

$\frac{2}{5}$ of Mrs Bashir's monthly wage is $£ 300$
Mr Bashir earns more money than Mrs Bashir.

## Plenary...



