



Key Instant Recall Facts

Year 6 Summer 1

KIRF: I can find a fractions/percentages of amounts.

By the end of this half term, children should know the following facts. The aim is for them to recall these facts instantly.

Can you find:

$\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$
50% 25% 75% 10% 5% 20%

of whole numbers. For example:

$\frac{1}{3}$ of 66 = 20% of 140 =

Key Vocabulary:

- **Denominator**- The bottom number in a fraction. Shows the number of equal parts in the whole.
- **Non unit fraction**- A fraction where the numerator is not one.
- **Numerator**- The top number in a fraction shows how many parts we have.
- **Unit fraction**- A fraction where the numerator is one.

Things to try

Solve it: $\frac{3}{5}$ of ____ = 15

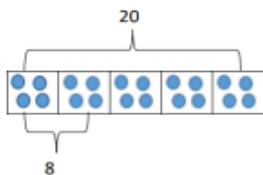
Use the bar model to help you. How many parts are in the whole? How many parts do you have? How many parts does the 15 represent?

Prove it: use the bar model to prove that 40% of 480 = 192

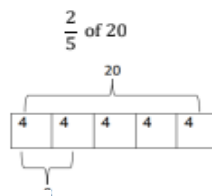
Explain the marvellous mistake: to find $\frac{2}{5}$ of 20 Kai says, "First you divide 20 by the numerator and then times that answer by the denominator."

What will it look like at Cranford ?

Concrete



Pictorial

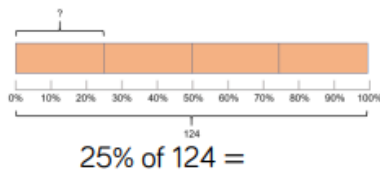


Abstract

$$20 \div 5 = 4$$

$$4 \times 2 = 8$$

$$\frac{2}{5} \text{ of } 20 = 8$$



10% of 150 =

30% of = 45

30% of 300 =

30% of = 900

