



KEY INSTANT RECALL FACTS

STAGE: 5

SUMMER: 1

I can convert between decimals, fractions and percentages.

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

$$\frac{1}{2} = 0.5 = 50\%$$

$$\frac{1}{100} = 0.01 = 1\%$$

$$\frac{1}{4} = 0.25 = 25\%$$

$$\frac{7}{100} = 0.07 = 7\%$$

$$\frac{3}{4} = 0.75 = 75\%$$

$$\frac{21}{100} = 0.21 = 21\%$$

$$\frac{1}{5} = 0.2 = 20\%$$

$$\frac{99}{100} = 0.99 = 99\%$$

$$\frac{2}{5} = 0.4 = 40\%$$

$$\frac{4}{5} = 0.8 = 80\%$$

$$\frac{1}{10} = 0.1 = 10\%$$

$$\frac{9}{10} = 0.9 = 90\%$$

Key Vocabulary

How many **tenths** is 0.8?

How many **hundredths** is 0.12?

Write 0.75 as a **percentage**.

Write $\frac{1}{4}$ as a **decimal**.

Write 80% as a **fraction**.

They should also be able to find fractions of numbers or quantities. For example: $\frac{2}{3}$ of 27 or $\frac{4}{5}$ of 70kg. They should also be able to find 50%, 25% and 10% of numbers or quantities such as: 25% of 20kg or 10% of £80.

Top Tips

The secret to success is practising **little** and **often**. Use time wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: start with tenths before moving on to hundredths. If you would like more ideas, please speak to your child's teacher.

Play games - Make some cards with pairs of equivalent fractions, decimals and percentages. Use these to play the memory game or snap. Or make your own dominoes with fractions on one side and decimals or percentages on the other.

Practise online – Go to:

www.mathplayground.com/Decention/Decention.html

[http://mathsframe.co.uk/en/resources/resource/120/match fractions decimals and percentages#.UCdcd2MsCEY](http://mathsframe.co.uk/en/resources/resource/120/match%20fractions%20decimals%20and%20percentages#.UCdcd2MsCEY)