



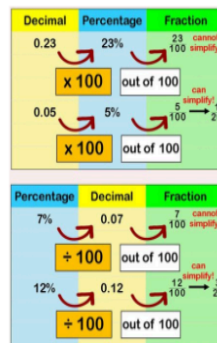
Key Instant Recall Facts Year 6 – Spring 1

Key Vocabulary
Fractions
Decimals
Percentages
Tenths
Hundredths

I aspire to convert between fractions, decimals and percentages.

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

Fractions	Decimals	Diagram	Out of 100	Percentage
1/10	0.1		10/100	10%
2/10	0.2		20/100	20%
3/10	0.3		30/100	30%
4/10	0.4		40/100	40%
5/10	0.5		50/100	50%



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

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

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

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

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

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

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

$$\frac{75}{100} = 0.75$$

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

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

$$\frac{3}{5} = 0.6$$

Key Questions

How many tenths is 0.8?
How many hundredths is 0.23?
Can you write 0.75 as a fraction?
Can you write $\frac{1}{4}$ as a decimal?

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?

Your Home learning this half term...

<p>Challenge 1:</p>	<p>Maths Invaders.</p> <p>Follow the QR code and select 'convert fractions to decimals' or 'fractions to percentages'.</p> <p>Shoot the spaceship with the correct answer and dodge the incoming fire.</p> <p>A fun game to practise a wide range of key mathematical skills.</p> <p>https://mathsframe.co.uk/en/resources/resource/289/KS2-Maths-Invaders</p>
<p>Challenge 2:</p>	<p>Draw (or use a real chocolate bar) with ten or twenty equal squares. Shade different parts of the bar and describe them in 3 different ways - as a fraction, as a decimal, as a percentage.</p> <p>E.g. 5 squares shaded out of 10:</p> <p>Fraction: $\frac{5}{10}$ Decimals: 0.5 Percentage: 50%</p>
<p>Challenge 3:</p>	<p>Make some cards with pairs of equivalent fractions and decimals. Use these to play the memory game or snap.</p> <p>If you don't have time to make your own cards there is an online memory game - follow the QR code to play!</p> <p>https://rich.maths.org/problems/matching-fractions-decimals-and-percentages</p>
<p>Challenge 4:</p>	<p>Make your own dominoes with fractions on one side and percentages on the other. Play the game matching the conversions.</p>
<p>Challenge 5:</p>	<p>Play this matching game.</p> <p>A flexible matching game which can help you to recognise equivalence of fractions, decimals and percentages.</p> <p>https://mathsframe.co.uk/en/resources/resource/120/match-fractions-decimals-and-percentages</p>
<p>Challenge 6:</p>	<p>Mix two juices, decide which fraction of your cup will be orange juice (e.g. $\frac{3}{4}$ orange, $\frac{1}{4}$ apple)</p> <p>Convert your mix into a decimal and a percentage.</p> <p>E.g. $\frac{3}{4} = 0.75 = 75\%$.</p> <p>Try new recipes and write them in all three forms.</p>