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%

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

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

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

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

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

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

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

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

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

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

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

$\frac{35}{100} = 0.35$ = 35%

$\frac{3}{10} = 0.3$ = 30%

$\frac{1}{3} = 0.33$ = 33%

$\frac{2}{3} = 0.67$ = 67%

$\frac{1}{8} = 0.125$ = 12.5%

$\frac{3}{8} = 0.375$ = 37.5%

Key Vocabulary

How many **tenths** is 0.8?

How many **hundredths** is 0.12?

Write 0.75 as a **percentage**.

Write ¼ as a **decimal**.

Write 33% as a **fraction**.

They should also be able to find fractions and percentages of numbers or quantities. For example: 2/3 of 27, 4/5 of 70kg, 10% of £25, 75% of 80kg, 15% of 40m (by finding 10% first) etc

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? 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://www.math-play.com/Fractions-Decimals-Percents-Jeopardy/fractions-decimals-percents-jeopardy.html