



# Key Instant Recall Facts YEAR 6 – Autumn 2

I know common decimals, fractions and percentage equivalences

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

- $\frac{1}{2} = 0.5 = 50\%$
- $\frac{1}{4} = 0.25 = 25\%$
- $\frac{3}{4} = 0.75 = 75\%$
- $\frac{1}{10} = 0.1 = 10\%$
- $\frac{3}{10} = 0.3 = 30\%$
- $\frac{1}{5} = 0.2 = 20\%$
- $\frac{3}{5} = 0.6 = 60\%$
- $\frac{1}{100} = 0.01 = 1\%$
- Etc...

Children should be able to convert between decimals, fractions and percentages for  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$  and any number of tenths and hundredths.

Key Vocabulary

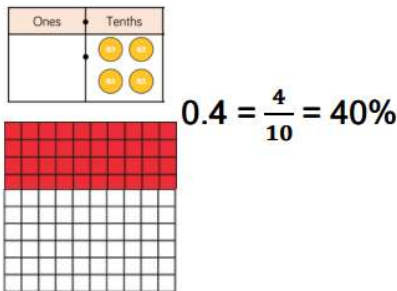
Write 0.75 as a fraction.

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

What is  $\frac{3}{4}$  as a percentage?

What can this look like?

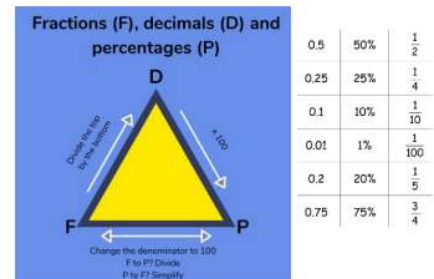
Concrete:



Pictorial:

1 Whole or 100%			
$\frac{1}{2}$	50% or 0.5		
$\frac{1}{3}$	33.3%	0.3	
$\frac{1}{4}$	25%	0.25	
$\frac{1}{5}$	20%	0.2	
$\frac{1}{10}$	10%	0.1	

Abstract:



Things to Try

**Domino's**- write the fraction, decimal and percentage the domino is showing

**Pair's game**- make your own fraction, decimal, percentage card matching game

**FDP Poster**- create a poster which explains how to convert between fractions, decimals and percentages

**Let's go shopping**- look out for percentages when out shopping. What is 25% as a decimal?

Useful Websites:

<https://www.topmarks.co.uk/Search.aspx?q=fractions%20decimals%20and%20percentages>

<https://www.transum.org/Maths/Activity/FractionDecimalPercentage/>

<http://mrbartonmaths.com/topics/fractions-decimals-percentages/fraction-decimal-percentage-equivalence/lessons.html>