By the end of this half term, children should know the following facts. The aim is for them to recall these facts **with speed and accuracy:**

I know common fraction, decimal and percentage equivalents.

Children should be able to convert between decimals, fractions and percentages for ½, ¼, ¾ and any number of tenths and hundredths .

½	=	0.5	=	50%
¼	=	0.25	=	25%
¾	=	0.75	=	75%
$1/10$	=	0.1	=	10%
$3/10$	=	0.3	=	30%
$1/5$	=	0.2	=	20%
$3/5$	=	0.6	=	60%
$1/100$	=	0.01	=	1%

Etc…

Key vocabulary

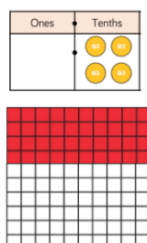Convert—to change the expression without changing the size or amount.

Decimal number- A number with a decimal point.

Fraction- A fraction represents the equal parts of the whole.

Per cent- Parts per 100. It shows the ratio 'out of 100'.
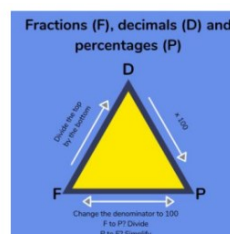
.

What can this look like?

Concrete:

$$0.4 = \frac{4}{10} = 40\%$$

Pictorial:

Abstract:

Top tips

The secret to success is practising **little and often**. Use time wisely. Can you practise this KIRF whilst walking to school or during a car journey? You do not need to practise all aspects of the KIRF all at once; perhaps you could have a fact of the day, or a few facts per week to practise?

Key questions

- What is 0.75 as a fraction?

- What is the equivalent decimal to ¼?

- What is 0.16 as a percentage?

Things to try

Dominos- write the fraction, decimal and percentage the domino is showing

Pairs 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?

Websites

https://mathsframe.co.uk/en/resources/resource/120/
match_fractions_decimals_and_percentages#.UCdcd2MsCEY