KIRF- I can recall common equivalent fractions, decimals and percentages
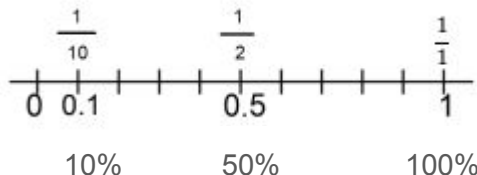
Year 5 - Spring 2
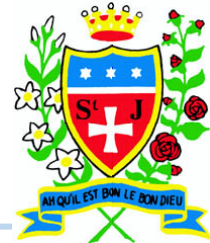
What can this look like?

Concrete:
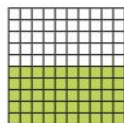
$\frac{50}{100}$ is shaded.

0.5 is shaded.

50% is shaded.

Pictorial:

$\frac{1}{10}$ $\frac{1}{2}$ $\frac{1}{1}$

0   0.1   0.5   1

10%   50%   100%

Abstract: :

1	=	1	=	100%	$\frac{1}{5}$	=	0.2	=	20%
$\frac{1}{2}$	=	0.5	=	50%	$\frac{1}{8}$	=	0.125	=	12.5%
$\frac{1}{3}$	=	0.3	=	33.3%	$\frac{1}{10}$	=	0.1	=	10%
$\frac{1}{4}$	=	0.25	=	25%					

$\frac{3}{4}$	0.75	75%
$\frac{2}{3}$	0.6̇6	66.6̇%
$\frac{3}{8}$	0.375	37.5%

Questions to ask at home

- How many tenths is 0.8?
- What is 3/4 as a percentage?
- Write 0.75 as a fraction?
- Write ¼ as a decimal?

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.

Hundredth- One out of 100 equal parts. The fraction form is $\frac{1}{100}$ and the decimal 0.01

Tenth- One out of 10 equal parts. The fraction form is $\frac{1}{10}$ and the decimal 0.1

Things to try

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

Bingo- make your own fraction to decimal bingo game

Pairs game- make your own fraction, decimal, percentage card matching game (triples instead of pairs)

https://www.mathspad.co.uk/teach/worksheets/percentages/fdpMatching.pdf- printable game- some challenging one.

Websites:

https://mathsframe.co.uk/en/resources/resource/120/match-fractions-decimals-and-percentages

https://nrich.maths.org/1249 - online matching game