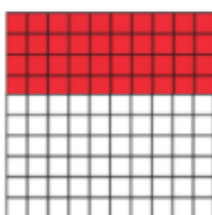




KIRF: I can convert between decimals, fractions and percentages.

Children should be able to convert between fractions, decimals and percentages and recall common decimal, fraction and percentage equivalences instantly.

Concrete:



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

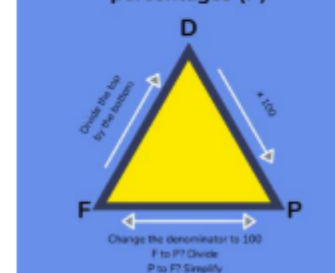
What can this look like?

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:

Fractions (F), decimals (D) and percentages (P)



0.5	50%	$\frac{1}{2}$
0.25	25%	$\frac{1}{4}$
0.1	10%	$\frac{1}{10}$
0.01	1%	$\frac{1}{100}$
0.2	20%	$\frac{1}{5}$
0.75	75%	$\frac{3}{4}$

Questions to ask at home

What is 15% as a **fraction** and **decimal**?
Which is closer to 100%, $\frac{4}{5}$ or 0.5? How do you know?
Complete the sentence- to **convert** a decimal to a percentage you ...

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'.

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://www.mathplayground.com/percent04.html>

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