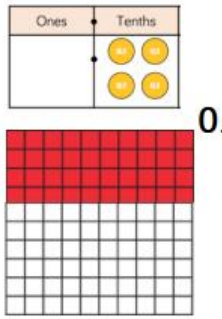
KIRF: I can convert between decimals, fractions and percentages

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

Year 6- Autumn 2

What can this look like?

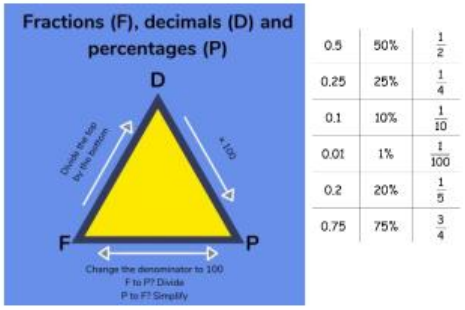
Concrete:



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

Pictorial:

Abstract:



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
Fraction- a fraction represents the equal parts of a whole
Percent- parts per 100. It shows the ratio out of 100.
Decimal number- a number with a decimal point

Activity ideas

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
https://whiterosemaths.com/homelearning/year-6/spring-week-3-number-percentages/