

KIRF: Convert Fractions & Decimals to Percentages



Pupils should be able to convert fractions, decimals and percentages.

What can this look like?

Hundred Square	Fractions	Decimals	Percentages
	$\frac{1}{2}$	0.5	50%
	$\frac{1}{4}$	0.25	25%
	$\frac{1}{10}$	0.1	10%
	$\frac{1}{100}$	0.01	1%

Learn these facts of by heart

$$0.25 = \frac{1}{4} = 25\%$$

$$0.2 = \frac{2}{10} = \frac{1}{5} = 20\%$$

$$0.5 = \frac{1}{2} = 50\%$$

$$0.1 = \frac{1}{10} = 10\%$$

$$0.01 = \frac{1}{100} = 1\%$$

Questions to ask at home

What is 0.25 as a percentage?

What is 0.9 as a percentage?

What is 0.05 as a percentage?

Key vocabulary

0.1 is equivalent to **one tenth** or 10%

0.01 is equivalent to **one hundredth** or 1%

0.25 is equivalent to **one quarter** or 25%

0.5 is equivalent to **one half** or 50%

Things to try

Decimal, Fraction & Percentage Snap!

You'll need:

- Decimal cards: 0.25, 0.5, 0.75
- Fraction cards: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
- Percentage cards: 25%, 50%, 75%

How to Play:

Shuffle all the cards together. Deal all cards equally between players. Players take turns flipping one card at a time into a shared pile. If two or more cards in the pile show equivalent values (e.g. 0.25, $\frac{1}{4}$, 25%), the first to shout "SNAP!" wins the whole pile. The player with the most cards at the end wins!

Websites:

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