

KIRF: Convert decimals to fractions

Pupils should know how to convert simple decimals to fractions.



Learn these facts of by heart

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

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

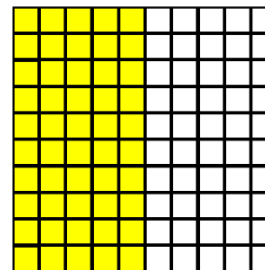
$$0.75 = \frac{3}{4}$$

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

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

What can this look like?

$$0.5 = \frac{50}{100} = \frac{5}{10} = \frac{1}{2}$$



Questions to ask at home

What is 0.25 as a fraction?

What is 0.9 as a fraction?

What is 0.05 as a fraction?

Key vocabulary

0.1 is equivalent to **one tenth**

0.01 is equivalent to **one hundredth**

0.25 is equivalent to **one quarter**

0.5 is equivalent to **one half**

Things to try

Decimal to Fraction Snap!

Focus: Match decimals (0.25, 0.5, 0.75) to their fraction forms ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$).

You'll need:

- Decimal cards (0.25, 0.5, 0.75)
- Matching fraction cards ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$)

How to play:

Shuffle and deal all cards equally. Players take turns flipping a card into a shared pile. If a decimal matches its fraction, the first to shout "SNAP!" wins the pile. Most cards wins!

Websites:

https://phet.colorado.edu/sims/html/fractions-equality/latest/fractions-equality_en.html