



Fraction, Decimal, Percentage Match ups

Why do it?

To help your child to learn the conversions between fractions, decimals and percentages

What you need:

Game cards – You can print these or make your own.

Cardboard

What to do:

Make the game cards by printing and pasting them on to card or writing the numbers on to card.
Cut them out.

Shuffle the pack and deal 5 cards to each player. The rest of the cards are placed in a pile face down between the players.

The aim is to make a set of equivalent fractions, decimals and percentages. For example:

Fraction	Decimal	Percentage
$\frac{1}{4}$	0.25	25%

$\frac{2}{4}$	0.50	50%
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The winner is the first person to put all their cards into sets.
The players look at their cards and place any sets they have on the table.

The first player asks the other person for a card to make a set. “Do you have 25%?”
If the other player has the card they give it to them if not they say “Go Fish” and the first player takes a card from the pile.

The other player then has a turn. The game continues until there is a winner.

What to expect your child to do:

- To be able to make sets of equivalent fractions, decimals and percentages.

Variations:

This game is played like Go Fish and is for two players.
Before playing a game you could work together with your child to arrange the cards into sets.

Snap: The same cards can be used to play Snap where two cards from a set could be “snapped”.

Order the cards from 0 – 1 in fractions, decimals or percentages

Game Cards for Fraction, Decimal, Percentage Match ups

$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{2}{3}$
$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{4}{5}$	$\frac{1}{10}$
$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$
$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{1}{2}$	

0.25	0.50	0.75	0.333	0.666
0.20	0.40	0.60	0.80	0.1
0.2	0.3	0.4	0.5	0.6
0.7	0.8	0.9	0.5	

25%	50%	75%	33.3%	0.66%
20%	40%	60%	80%	10%
20%	30%	40%	50%	60%
70%	80%	90%	50%	