



Match Them Up

Materials: 1 set of cards per group

Directions:

Play in groups of 2-4

1. One player shuffles the cards and deals 8 cards to each player.
2. The remaining cards are then placed in the middle of the table with the top one turned over to begin the discard pile.
3. Beginning to the right of the dealer, students take turns drawing 1 card either from the pile or the top of the discard pile. When a player gets three cards of 1 value ($\frac{1}{2}$.5 50%) they lay them on the table face up. Each turn concludes with the player putting a card on the discard pile.
4. Play continues until all matches are made, or a student runs out of cards.
5. If necessary, students should shuffle the discard pile to continue play.

Who Wins?

When play stops, the player with the greatest number of matches wins.

Variations:

1. Students could play with just 2 combinations: fractions and decimals; percents and decimals; or fractions and decimals.
2. Students can create their own set of cards with any numbers...some mixed numbers could add to the difficulty.

Discuss:

When would it be easier to use the fraction or decimal form of a number?

Is the percent form of the number ever used for calculations?

Why are numbers written as percents?

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

$\frac{3}{10}$	$\frac{7}{10}$	$\frac{9}{10}$.25
.5	.75	1.0	.33...
.66...	.1666...	.8333...	.2
.4	.6	.8	.125

.375	.625	.875	.1
.3	.7	.9	25%
50%	75%	100%	33 1/3 %
66 2/3 %	16 2/3 %	83 1/3 %	20%

40%	60%	80%	12.5%
37.5%	62.5%	87.5%	10%
30%	70%	90%	

