

Grade 5

Can You Find It?

Module 7-Number Theory; Fraction Concepts & Addition and Subtraction of Fractions

An important idea about number is that decimals, percents and fractions are different ways to represent the same amount. Use this activity to help your child understand the connections among these kinds of numbers and to develop flexibility in translating between them so that he/she can understand the size of numbers and be able to add, subtract, multiply and divide numbers less than one easily.

Materials:

Fraction, decimal, and percent cards

In the blank squares you can make up your own equivalent fractions, decimals, and percents.

Directions:

1. Cut cards apart and shuffle them.
2. Spread them out face down in rows and columns.
3. Player 1 turns over 3 cards.
4. If 2 of the 3 cards name the same quantity, the player keeps the two cards that match and turns the other card back face down.
For example, if a player turns over 0.75, 25%, and $\frac{3}{4}$, the player would keep 0.75 and $\frac{3}{4}$ and turn back over the 25%. His/Her turn is over.
5. If none of the cards name the same quantity, all cards are turned back face down. His/Her turn is over.
6. If all 3 cards name the same quantity, Player 1 keeps all 3 cards and continues his/her turn by choosing 3 more cards to turn over.

7. Player 2 follows steps 3 - 6.
8. Play continues until all possible matches are made. The player with the most cards wins.

Questions to ask your child while playing:

How do you know the quantities shown on the cards are the same?

Which card shows the greatest amount? How do you know?

Which card shows the least amount? How do you know?

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Fraction, Decimal, and Percent Cards

$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{2}$
$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	0.25
0.125	0.5	0.75	0.375
0.875	0.625	25%	37.5%

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Fraction, Decimal, and Percent Cards

50%	62.5%	75%	87.5%
$\frac{2}{4}$	$\frac{2}{8}$	$\frac{4}{8}$	$\frac{6}{8}$