

Fractions, Decimals, and Percent Activity

Directions for Teacher

1. Make copies on card stock of the fractions, decimals, and percents on the following pages. Use a different color for each page.
2. Have students cut out each number in place in box or bag.

Fractions, decimals, and percents can be used for very short or very involved activities.

Activity 1) Have student reach in the bag and remove two cards. Student must state which card has the larger number. Challenge students by having them removed up to five cards and place the cards in order from least to greatest. (Choosing cards of the same color allows students to compare only decimals, only fractions, or only percents.)

Activity 2) Have students play version of “war” in which each student pulled the card and the person with the higher number scores one point. (Caution: Mixing the cards between students means they will have to separate them later!)

Activity 3) Have students re-create from memory the fraction, decimal, percent table on the next page. Encourage students to explain their thinking when they match numbers they are not sure of. Students can time themselves if desired.

How Many Rows Can You Remember?

To the student: Study the chart below. Each row shows a fraction, decimal, and percent that are equal to each other. For example, you know that $\frac{1}{2} = 0.50 = 50\%$.

Fraction	Decimal	Percent
$\frac{1}{20}$	0.05	5%
$\frac{1}{10}$	0.1	10%
$\frac{1}{8}$	0.125	$12\frac{1}{2}\%$
$\frac{1}{5}$	0.2	20%
$\frac{1}{4}$	0.25	25%
$\frac{3}{10}$	0.3	30%
$\frac{1}{3}$	$0.\overline{3}$	$33\frac{1}{3}\%$
$\frac{3}{8}$	0.375	$37\frac{1}{2}\%$
$\frac{2}{5}$	0.4	40%
$\frac{1}{2}$	0.5	50%
$\frac{3}{5}$	0.6	60%
$\frac{5}{8}$	0.625	$62\frac{1}{2}\%$
$\frac{2}{3}$	$0.\overline{6}$	$66\frac{2}{3}\%$
$\frac{7}{10}$	0.7	70%
$\frac{3}{4}$	0.75	75%
$\frac{4}{5}$	0.8	80%
$\frac{9}{10}$	0.9	90%

Directions:

- 1) Mix up the cards with the fractions, decimals, and percents.
- 2) Arrange the cards in rows to show the fraction, decimal, and percent that are equal to each other.
- 3) Use a timer to see how many rows you can make in three minutes. Or, see if the people in your group can create the whole chart.

$\frac{1}{20}$	$\frac{1}{10}$	$\frac{1}{8}$	$\frac{1}{5}$	$\frac{1}{4}$
$\frac{3}{10}$	$\frac{1}{3}$	$\frac{3}{8}$	$\frac{2}{5}$	$\frac{1}{2}$
$\frac{3}{5}$	$\frac{5}{8}$	$\frac{2}{3}$	$\frac{7}{10}$	$\frac{3}{4}$
$\frac{4}{5}$	$\frac{9}{10}$			

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

0.05	0.1	0.125	0.2	0.25
0.3	$0.3\bar{3}$	0.375	0.4	0.5
0.6	0.625	$0.6\bar{6}$	0.7	0.75
0.8	0.9			

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0.8	0.9			

5%	10%	$12\frac{1}{2}\%$	20%	25%
30%	$33\frac{1}{3}\%$	$37\frac{1}{2}\%$	40%	50%
60%	$62\frac{1}{2}\%$	$66\frac{2}{3}\%$	70%	75%
80%	90%			

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30%	$33\frac{1}{3}\%$	$37\frac{1}{2}\%$	40%	50%
60%	$62\frac{1}{2}\%$	$66\frac{2}{3}\%$	70%	75%
80%	90%			