Ultimate Equivalent Fractions, Decimals and Percentages Challenge

Name: Number Correct:

Time Taken: Previous Score:



Match the following decimal numbers, percentages and fractions.

0.3	50%	<u>2</u> 5	0.25	1/2	12.5%
0.5	40%	<u>1</u> 5	0.375	1/8	50%
0.4	70%	$\frac{7}{10}$	0.75	78	87.5%
0.7	20%	1/2	0.5	3 8	25%
0.9	30%	9/10	0.125	1/4	75%
0.2	90%	<u>3</u>	0.875	3 4	37.5%

Write the equivalent fraction to the following:

75% =	30% =	15% =	90% =	50% =	35% =
0.6 =	0.95 =	0.1 =	0.25 =	0.625 =	0.2 =
25% =	0.9 =	0.5 =	5% =	0.4 =	85% =

Write the equivalent decimal and percentage to the following:

$\frac{1}{2}$ =	$\frac{3}{4}$ =	$\frac{1}{5}$ =	$\frac{1}{3}$ =
<u>4</u> 5 =	3/8 =	$\frac{1}{10} =$	<u>1</u> =
7 10 =	<u>2</u> =	<u>5</u> =	$\frac{7}{20} =$

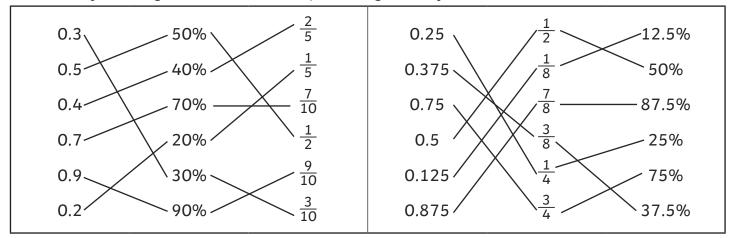
Write the missing equivalent fraction, decimal fraction or percentage as needed.

0.7 =	$\frac{1}{8}$ =	75% =
20% =	0.01 =	$\frac{2}{3}$ =



Ultimate Equivalent Fractions, Decimals and Percentages Challenge Activity Sheet **Answers**

Match the following decimal numbers, percentages and fractions.



Write the equivalent fraction to the following:

75% = 3	$30\% = \frac{3}{10}$	15% = ³ / ₂₀	90% = 9 10	50% = <u>1</u>	35% = 7 20
$0.6 = \frac{3}{5}$	$0.95 = \frac{19}{20}$	$0.1 = \frac{1}{10}$	0.25 = 1 / 4	$0.625 = \frac{5}{8}$	$0.2 = \frac{1}{5}$
25% = 1 / 4	$0.9 = \frac{9}{10}$	0.5 = $\frac{1}{2}$	5% = 1 20	$0.4 = \frac{2}{5}$	85% = 17

Write the equivalent decimal and percentage to the following:

$\frac{1}{2}$ = 0.5 = 50%	$\frac{3}{4}$ = 0.75 = 75%	$\frac{1}{5}$ = 0.2 = 20%	$\frac{1}{3}$ = 0.33 = 33.3%
$\frac{4}{5}$ = 0.8 = 80%	$\frac{3}{8}$ = 0.375 = 37.5%	$\frac{1}{10}$ = 0.1 = 10%	$\frac{1}{6}$ = 0.166 = 16.6%
$\frac{7}{10}$ = 0.7 = 70%	$\frac{2}{5}$ = 0.4 = 40%	$\frac{5}{8}$ = 0.625 = 62.5%	$\frac{7}{20}$ = 0.35 = 35%

Write the missing equivalent fraction, decimal fraction or percentage as needed.

$0.7 = \frac{7}{10} = 70\%$	$\frac{1}{8}$ = 0.125 = 12.5%	$75\% = \frac{3}{4} = 0.75$
$20\% = \frac{1}{5} = 0.2$	$0.01 = \frac{1}{100} = 1\%$	$\frac{2}{3}$ = 0.66 = 66.6%

 $^{^{\}star}$ Allow equivalent fractions and rounding as appropriate for thirds and sixths

