

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

Write the equivalent fraction (in its simplest form) 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:

$\frac{1}{2}$ =	$\frac{3}{4}$ =	$\frac{1}{5}$ =	$\frac{1}{3}$ =
$\frac{4}{5}$ =	$\frac{3}{8}$ =	$\frac{1}{10}$ =	$\frac{1}{6}$ =
$\frac{7}{10}$ =	$\frac{2}{5}$ =	$\frac{5}{8}$ =	$\frac{7}{20}$ =

Write the missing equivalent fraction (in its simplest form), decimal 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.

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

Write the equivalent fraction (in its simplest form) to the following:

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

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 (in its simplest form), decimal or percentage as needed.

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

* Allow equivalent fractions and rounding as appropriate for thirds and sixths