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:

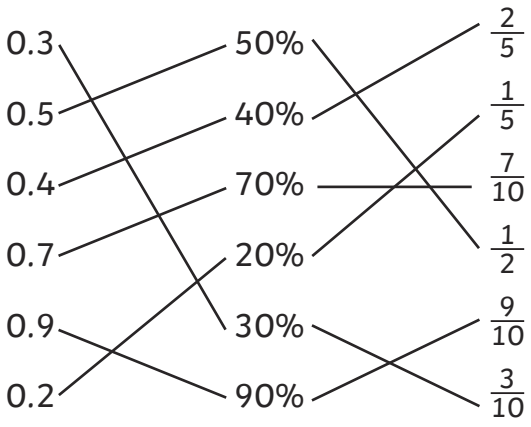
$\frac{1}{2}$ =	$\frac{3}{4}$ =	$\frac{1}{5}$ =	$\frac{1}{3}$ =
$\frac{4}{5}$ =	$\frac{3}{8}$ =	$\frac{1}{10}$ =	$\frac{1}{6}$ =
$\frac{7}{10}$ =	$\frac{2}{5}$ =	$\frac{5}{8}$ =	$\frac{7}{20}$ =

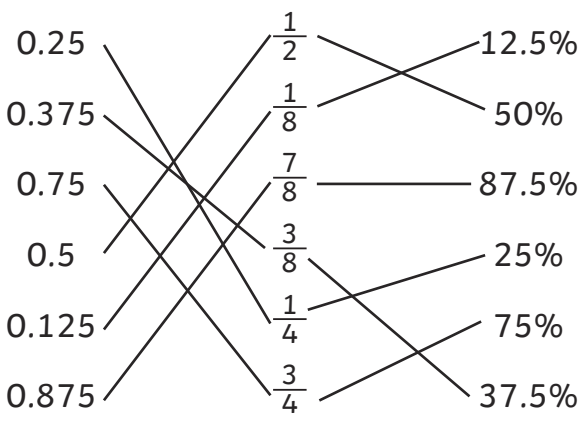
Write the missing equivalent fraction (in its simplest form), decimal or percentage as needed.

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.





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**