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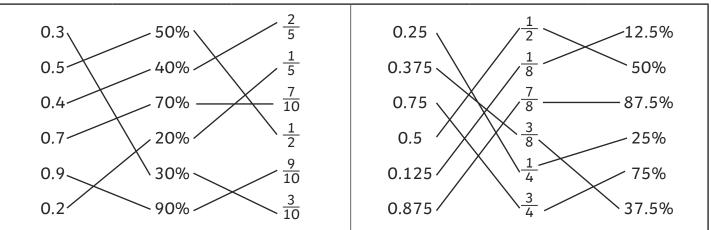
0.7 =	$\frac{1}{8}$ =	75% =
20% =	0.01 =	$\frac{2}{3}$ =

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