

Equivalent Fractions Decimals and Percentages

Shade the correct fraction, decimal or percentage and show the equivalent values.

90%	0.3	$\frac{32}{40}$
15%	75%	
		0.15
45%	0.35	16%
		18%
		95%

(1)	(5)
(2)	(6)
(3)	(7)
(4)	(8)

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(2)	(6)
(3)	(7)
(4)	(8)

17. Calculate the answer to these, leaving your answer as a percentage.

- | | | |
|--------------------------|-----------------------------------|---------------------------------|
| (a) $\frac{1}{4} + 15\%$ | (b) $14\% + 0.2$ | (c) $\frac{1}{4} - 18\%$ |
| (d) $0.75 - 5\%$ | (e) $\frac{12}{50} + 0.05 - 10\%$ | (f) $\frac{3}{4} - 0.1 + 100\%$ |

18. Work out $\frac{1}{5} + 30\% + \frac{27}{36}$. Express your final answer as a percentage.

19. Write down the next three terms in these sequences. You can give your answers as fractions, decimals or percentages.

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|--|
| a. 20%, 0.3, $\frac{4}{10}$, 0.5, _____, _____, _____ |
| b. 0.12, $\frac{1}{5}$, 28%, $\frac{9}{25}$, _____, _____, _____ |
| c. 0.1, $\frac{2}{5}$, 80%, $1\frac{3}{10}$, _____, _____, _____ |

Fill in the table with equivalent values

Simplified Fraction	Non-percentage Fraction	Percentage	Decimal
		100%	
	$\frac{21}{42}$		
$\frac{1}{4}$			
	$\frac{15}{40}$		
			0.4
		90%	
		35%	
$\frac{43}{100}$			
			0.064
			1.6
$1\frac{7}{8}$			

Use the digits 0-9 at most once each to make the following true

$$\begin{array}{r} \underline{\quad} \quad \underline{\quad} \\ \hline \underline{\quad} \quad \underline{\quad} \end{array} = \underline{\quad} . \underline{\quad} \underline{\quad}$$

Each fraction is related to the central Fraction, Decimal Relationship. Work out the decimal for the related fractions

$\frac{3}{4} =$	$\frac{1}{40} =$	$\frac{1}{8} =$
$\frac{3}{400} =$	$\frac{1}{4} = 0.25$	$\frac{10}{4} =$
$\frac{30}{4} =$	$\frac{3}{8} =$	$\frac{3}{80} =$

$\frac{1}{6} =$	$\frac{1}{30} =$	$\frac{1}{15} =$
$\frac{1}{9} =$	$\frac{1}{3} = 0.\dot{3}$	$\frac{4}{9} =$
$\frac{2}{3} =$	$\frac{11}{3} =$	$\frac{100}{3} =$

$\frac{11}{40} =$	$\frac{27}{40} =$	$\frac{1}{40} =$
$\frac{21}{40} =$	$\frac{31}{40} = 0.775$	$\frac{41}{40} =$
$\frac{26}{40} =$	$\frac{315}{400} =$	$\frac{63}{80} =$