

Converting Fractions to Decimals and Decimals to Fractions

Version B

Fill in the charts.

Fraction Form	Decimal Form
$\frac{1}{5}$	
$2\frac{6}{8}$	
$\frac{31}{40}$	
$3\frac{2}{9}$	
$5\frac{9}{11}$	
$\frac{7}{16}$	

Fraction Form	Decimal Form
	0.72
	5.34
	0.372
	4.75
	$3.\bar{3}$
	$10.\bar{6}$

Evaluate.

1) $2.75 \div \frac{25}{42}$

2) $1.2 + \frac{2}{5}$

3) $0.75 - \frac{3}{8}$

4) $\frac{3}{5} \div 0.6 + \frac{4}{7}$

5) $\frac{13}{16} \div 0.025 - 12\frac{3}{4}$

6) $1.1^2 - 0.2 + 1$

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Answers

Fraction Form	Decimal Form
$\frac{1}{5}$.2
$2\frac{6}{8}$	2.75
$\frac{31}{40}$.775
$3\frac{2}{9}$	3.2$\bar{2}$
$5\frac{9}{11}$	5.8$\bar{1}$
$\frac{7}{16}$.4375

Fraction Form	Decimal Form
$\frac{18}{25}$	0.72
$5\frac{17}{50}$	5.34
$\frac{93}{250}$	0.372
$4\frac{3}{4}$	4.75
$3\frac{1}{3}$	3. $\bar{3}$
$10\frac{2}{3}$	10. $\bar{6}$

Answers.

1) **4.62** or $4\frac{31}{50}$

2) **1.6** or $1\frac{3}{5}$

3) **.375** or $\frac{3}{8}$

4) **1.57** or $1\frac{4}{7}$

5) **19.75** or $19\frac{3}{4}$

6) **.01** or $\frac{1}{100}$