

Fractions and Decimals

1. Write as decimals. Write an equivalent fraction with a denominator 10, 100, or 1000 to help.

a. $\frac{14}{100} =$ b. $\frac{7}{10} =$ c. $\frac{5}{1000} =$ d. $\frac{2}{5} =$ e. $1\frac{9}{100} =$
 f. $\frac{3}{20} = \frac{\quad}{100} =$ g. $\frac{7}{25} =$ h. $\frac{3}{5} =$ i. $1\frac{3}{4} =$ j. $5\frac{3}{8} =$

2. Change to decimals. Use a bar to show the repeating part.

a. $\frac{1}{6}$ b. $\frac{1}{9}$ c. $\frac{3}{11}$ d. $\frac{3}{7}$ e. $\frac{2}{15}$
 $\frac{5}{6}$ $\frac{2}{9}$ $\frac{5}{11}$ $\frac{4}{7}$ $\frac{7}{15}$

3. Make sure you know the decimal equivalents of these common fractions!

$\frac{1}{3} =$	$\frac{1}{4} =$	$\frac{1}{5} =$ $\frac{3}{5} =$	$\frac{7}{10} =$	$\frac{74}{100} =$
$\frac{2}{3} =$	$\frac{3}{4} =$	$\frac{2}{5} =$ $\frac{4}{5} =$	$\frac{3}{100} =$	$\frac{9}{1000} =$

4. Change to decimals. Use long division. Use a bar to show the repeating part.

a. $\frac{3}{14}$ b. $\frac{28}{45}$ c. $\frac{8}{33}$ d. $1\frac{8}{15}$
 e. $\frac{29}{40}$ f. $\frac{13}{12}$ g. $\frac{5}{32}$ h. $2\frac{37}{125}$

5. Compare.

a. $\frac{1}{10}$ 0.11 b. $\frac{1}{11}$ 0.10 c. $\frac{1}{12}$ 0.12 d. $\frac{3}{4}$ 0.67 e. 0.68 $\frac{3}{5}$
 f. $\frac{13}{10}$ 1.31 g. $1\frac{2}{5}$ 1.25 h. $3\frac{2}{3}$ 3.75 i. $\frac{5}{1000}$ 0.03 j. 0.2 $\frac{15}{100}$

6. Order these rational numbers.

a. $\frac{3}{10}$, 0.33, $\frac{1}{3}$, 0.42, $\frac{2}{5}$, 0.281, $\frac{1}{4}$, 0.40	b. $\frac{2}{50}$, 0.09, $\frac{1}{10}$, 0.001, $\frac{11}{100}$, 0.11
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