

## Fractions and Decimals 3

1. Write as decimals. You can first write an equivalent fraction with denominator 10, 100, or 1000.

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 a repeating decimal.

a.  $\frac{1}{3} = 0.\overline{3}$       b.  $\frac{1}{6}$       c.  $\frac{1}{9}$       d.  $\frac{3}{11}$       e.  $\frac{3}{7}$   
 $\frac{2}{3} =$        $\frac{5}{6}$        $\frac{2}{9}$        $\frac{5}{11}$        $\frac{4}{7}$

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 a repeating decimal.

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