Finding the Reciprocal

### Parts of a Fraction

A fraction is made up of a numerator and a denominator.

<table>
<thead>
<tr>
<th>Fraction</th>
<th>Reciprocal</th>
</tr>
</thead>
<tbody>
<tr>
<td>$\frac{3}{5}$</td>
<td>$\frac{5}{3}$</td>
</tr>
</tbody>
</table>

To find the reciprocal of a fraction, switch the numerator and denominator of the fraction.

Find the reciprocals of the fractions below and write them in the space provided.

a. $\frac{5}{8}$  
   fraction: $\frac{5}{8}$  
   reciprocal:  

b. $\frac{1}{2}$  
   fraction: $\frac{1}{2}$  
   reciprocal:  

c. $\frac{7}{16}$  
   fraction: $\frac{7}{16}$  
   reciprocal:  

d. $\frac{3}{4}$  
   fraction: $\frac{3}{4}$  
   reciprocal:  

e. $\frac{3}{10}$  
   fraction: $\frac{3}{10}$  
   reciprocal:  

Find the improper fractions and reciprocals of the mixed numbers below and write them in the space provided.

f. $3 \frac{5}{8}$  
   mixed number: $3 \frac{5}{8}$  
   improper fraction:  
   reciprocal:  

g. $2 \frac{7}{10}$  
   mixed number: $2 \frac{7}{10}$  
   improper fraction:  
   reciprocal:  

h. $1 \frac{5}{6}$  
   mixed number: $1 \frac{5}{6}$  
   improper fraction:  
   reciprocal:  

i. $5 \frac{4}{5}$  
   mixed number: $5 \frac{4}{5}$  
   improper fraction:  
   reciprocal:  

j. $2 \frac{3}{15}$  
   mixed number: $2 \frac{3}{15}$  
   improper fraction:  
   reciprocal:  

k. $4 \frac{5}{12}$  
   mixed number: $4 \frac{5}{12}$  
   improper fraction:  
   reciprocal:  

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Finding the Reciprocal

Parts of a Fraction

3 numerator
5 denominator

To find the reciprocal of a fraction, switch the numerator and denominator of the fraction.

Fraction | Reciprocal
--- | ---
3/5 | 5/3

Find the reciprocals of the fractions below and write them in the space provided.

a. \( \frac{5}{8} \)

b. \( \frac{1}{2} \)

c. \( \frac{7}{16} \)

Find the reciprocals of the mixed numbers below and write them in the space provided.

d. \( 3 \frac{1}{2} \) or \( \frac{7}{2} \)

e. \( 2 \frac{1}{3} \) or \( \frac{7}{3} \)

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