

2.2 Reciprocals (p. 71)

Two fractions whose product is 1 are **reciprocals**.

$$\frac{3}{4} \cdot \frac{4}{3} = \frac{12}{12} = 1 \quad \frac{5}{1} \cdot \frac{1}{5} = 1$$

Write the **reciprocal** of the numbers:

1. $\frac{3}{5}, \frac{5}{3}$ 2. $\frac{9}{5}, \frac{5}{9}$ 3. $6, \frac{1}{6}$

Mixed numbers must be changed to Improper fractions before finding the **reciprocal**.

$$7\frac{1}{3} = \frac{22}{3} \quad \text{so the reciprocal is } \frac{3}{22}$$

1. $3\frac{4}{5} = \frac{19}{5}, \frac{5}{19}$ 2. $8\frac{4}{7} = \frac{60}{7}, \frac{7}{60}$