

# Fraction and Whole Number Multiplication

Find the product.  $3 \times \frac{5}{6}$

$$3 \times \frac{5}{6} = \frac{3}{\boxed{1}} \times \frac{5}{6}$$

$$= \frac{3 \times \boxed{5}}{1 \times 6}$$

$$= \frac{\boxed{15}}{6}$$

$$= \boxed{2} \frac{3}{6}, \text{ or } 2 \frac{\boxed{1}}{\boxed{2}}$$

Write the whole-number factor, 3, as  $\frac{3}{1}$ .

Multiply the numerators. Then multiply the denominators.

Write the product as a mixed number in simplest form.

So,  $3 \times \frac{5}{6}$  is  $2\frac{1}{2}$ .

Find the product. Write the product in simplest form.

**1**  $\frac{2}{3} \times 8 = \frac{2}{3} \times \frac{8}{\boxed{\phantom{00}}}$

$$= \frac{\boxed{\phantom{00}} \times \boxed{\phantom{00}}}{\boxed{\phantom{00}} \times \boxed{\phantom{00}}}$$

$$= \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}, \text{ or } \underline{\hspace{2cm}}$$

**2**  $4 \times \frac{2}{9} = \underline{\hspace{2cm}}$

**3**  $6 \times \frac{3}{4} = \underline{\hspace{2cm}}$

**4**  $\frac{4}{9} \times 3 = \underline{\hspace{2cm}}$

**5**  $5 \times \frac{3}{8} = \underline{\hspace{2cm}}$

**6**  $9 \times \frac{2}{3} = \underline{\hspace{2cm}}$

**7**  $2 \times \frac{5}{6} = \underline{\hspace{2cm}}$

**8**  $7 \times \frac{4}{10} = \underline{\hspace{2cm}}$