

• Raising Fractions to Higher Terms

✓ To raise a fraction to higher terms, you multiply both numerator and denominator by the same number (except 0). $\frac{4}{4} \frac{2}{2}$

✓ * You multiply numerator and denominator by a form of one. $\frac{4}{4} = 1$ $\frac{2}{2} \frac{101}{101}$

* Sometimes you will need to find an equal fraction with a specific denominator.

cross products

①

Examples

$$\frac{1 \cdot 3}{3 \cdot 3} = \frac{3}{9}$$

$$\frac{1}{3} \times \frac{3}{3} = \frac{3}{9}$$

~~$$\frac{1}{3} = \frac{3}{9} \quad 1 \cdot 9 = 9$$~~
$$3 \cdot 3 = 9$$

②

$$\frac{3 \cdot 3}{5 \cdot 3} = \frac{9}{15}$$

$$\frac{3}{5} \times \frac{3}{3} = \frac{9}{15}$$

①

Find an Equal Fraction

$$\frac{2 \cdot 10}{3 \cdot 10} = \frac{20}{30}$$

$$\frac{2}{3} \cdot \frac{10}{10} = \frac{20}{30}$$

②

$$\frac{7 \cdot 2}{9 \cdot 2} = \frac{14}{18}$$

$$\frac{7}{9} \times \frac{2}{2} = \frac{14}{18}$$

③

$$\frac{11 \cdot 4}{15 \cdot 4} = \frac{44}{60}$$