• 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.

Examples

cross products

① $\frac{1\cdot 3}{3\cdot 3}=\frac{3}{9}$ $\quad \frac{1}{3}\times\frac{3}{3}=\frac{3}{9}$ $\quad \frac{1}{3}=\frac{3}{9}$ $\quad 1\cdot 9=9$, $3\cdot 3=9$

② $\frac{3\cdot 3}{5\cdot 3}=\frac{9}{15}$ $\quad \frac{3}{5}\times\frac{3}{3}=\frac{9}{15}$

Find an Equal Fraction

① $\frac{2\cdot 10}{3\cdot 10}=\frac{20}{30}$ $\quad \frac{2}{3}\cdot\frac{10}{10}=\frac{20}{30}$

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

③ $\frac{11\cdot 4}{15\cdot 4}=\frac{44}{60}$