

Chapter 3-4 Mutliplying Fractions and Mixed Numbers

Chapter 3-4 Multiplying Fractions
and Mixed Numbers:

You no longer need Like
denominators

$$\frac{3}{4} \times \frac{1}{2} = \frac{3}{8} \quad \begin{array}{l} \text{Thru the Numerator} \\ \text{Thru the Denominator} \end{array}$$

Half of $\frac{3}{4}$

Simplify Before you
Multiply

$$\frac{3}{4} \cdot \frac{2}{5} \quad \begin{array}{l} 2 \text{ and } 4 \text{ are} \\ \text{compatible} \end{array}$$

Simplify Before
you multiply

$$\frac{1}{5} \times \frac{2}{10} = \frac{1}{10}$$

$$\frac{1}{10} \times \frac{1}{7} = \frac{1}{70}$$

Chapter 3-4 Mutliplying Fractions and Mixed Numbers

Multiplying Fractions by whole numbers:

find $\frac{3}{4}$ of 20

$$1 \frac{3}{4} \times \frac{20}{1} = \frac{15}{1} = 15$$

$$2 \frac{5}{6} \times \frac{9}{1} = \frac{15}{2} = 7\frac{1}{2}$$

$7\frac{1}{2}$ yards Long

$$\frac{45}{6} = 7\frac{1}{2}$$

Fraction x Whole

$$\frac{3}{\cancel{7}} \times \frac{\cancel{28}^4}{1} = \frac{12}{1}$$
$$= 12$$

1. Change
to Improper

$$2\frac{3}{5} \cdot 4\frac{1}{2}$$

$$\frac{13}{5} \cdot \frac{9}{2} = \frac{117}{10}$$

$$= 11\frac{7}{10}$$