

## 2.1 Multiply Fractions

Multiply straight across:  $\frac{7}{8} \cdot \frac{1}{4} = \frac{7}{32}$

Do Not find a common denominator! Just multiply

Reduce before multiplying

$$\frac{2\cancel{8}^4 \cdot 3\cancel{9}^3}{3\cancel{4}^1 \cdot 1\cancel{4}^1} = \frac{2}{3}$$

of means multiply

### 2.1 Multiplying Fractions (p. 70)

1. Joe's mom spent \$60 at Target.  $\frac{3}{4}$  of that money was spent on groceries. How much was spent on groceries?

$$\frac{3}{4} \cdot \frac{60}{1} = \frac{180}{4} = 45 = \$45 \text{ on groceries}$$

$$1\frac{1}{3} \cdot 8 = \frac{4}{3} \cdot \frac{8}{1} = \frac{32}{3} = 10\frac{2}{3} \text{ cups of butter}$$

2. Micca needs  $1\frac{1}{3}$  cups of butter for a batch of sugar cookies. If he made 8 batches of cookies, how much butter does he need?

\*convert the mixed number to an improper fraction