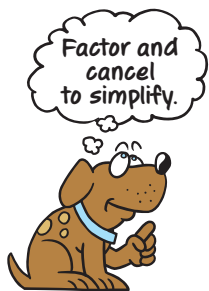


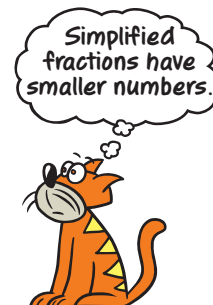
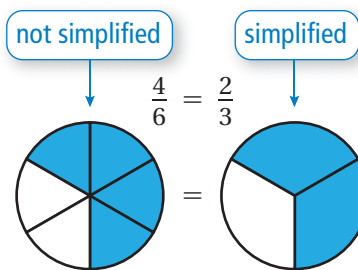
# Simplifying Fractions

Name \_\_\_\_\_

## Key Concept and Vocabulary



- 1  $\frac{4}{6}$  Not simplified
- 2  $\frac{2 \times 2}{2 \times 3}$  Factor.
- 3  $\frac{\cancel{2} \times 2}{\cancel{2} \times 3}$  Cancel.
- 4  $\frac{2}{3}$  Simplified



## PRACTICE MAKES PURR-FECT™

Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Simplify the fraction.

| Fraction Model | Not Simplified | Factor and Cancel                                 | Simplified    |
|----------------|----------------|---|---------------|
| 1.             | $\frac{2}{6}$  | $\frac{\cancel{2} \times 1}{\cancel{2} \times 3}$ | $\frac{1}{3}$ |
| 2.             | $\frac{6}{8}$  | $\frac{\cancel{2} \times 3}{\cancel{2} \times 4}$ | $\frac{3}{4}$ |
| 3.             | $\frac{4}{10}$ | $\frac{\cancel{2} \times 2}{\cancel{2} \times 5}$ | $\frac{2}{5}$ |
| 4.             | $\frac{2}{8}$  | $\frac{\cancel{2} \times 1}{\cancel{2} \times 4}$ | $\frac{1}{4}$ |
| 5.             | $\frac{5}{10}$ | $\frac{\cancel{5} \times 1}{\cancel{5} \times 2}$ | $\frac{1}{2}$ |