Activity 1

Solve each equation by using properties of equality and reciprocals.

1. $3x = 24$

2. $5y = 15$

3. $2w = 6$

4. $\frac{1}{3}z = 4$

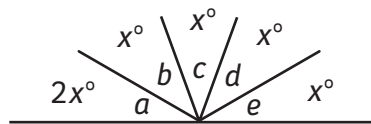**5.** $\frac{1}{2}a = 6$

6. $\frac{2}{3}b = 1$

Activity 2

Find the measures of the missing angles.

1. What is the measure of $\angle c$?
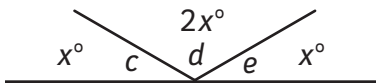
2. What is the measure of $\angle a$?

Activity 3

Solve the proportions by using cross multiplication.

1. $\frac{3}{4} = \frac{x}{6}$

2. $\frac{w}{5} = \frac{8}{10}$

3. $\frac{2}{5} = \frac{12}{z}$

4. $\frac{1}{a} = \frac{5}{15}$

Activity 4 • Distributed Practice

Solve.

1. $4 + -2$

2. $-4 + -2$

3. $-2 \cdot -6$

4. $-2 \cdot 6$

5. $5 \cdot (6 - 5) - 5$

6. $(3^2 - 2) + 9$

7. Simplify using the distributive property: $2(-x + 1)$