

$$\frac{15x}{18} = \frac{1}{10} \cdot \frac{5}{1}$$

$$\frac{1}{5} \cdot 15x = \frac{1}{10} \cdot \frac{1}{5}$$

$$x = \frac{1}{50}$$

$$x = \frac{1}{10} \cdot \frac{1}{5}$$

$$x = \frac{1}{50}$$

$$\frac{1}{5} \cdot \frac{4x}{5} = \frac{1}{2} \cdot 5$$

$$\frac{4x}{4} = \frac{5}{2} \cdot \frac{1}{4}$$

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

$$x = \frac{5}{8}$$

### 3.3 Solving Two-Step Equations.

$$2x + 4 = 14$$

*Subtraction  
Property of  
Equality*

$$\frac{2x}{2} = \frac{10}{2}$$

*Division  
Property of  
Equality*

$$x = 5$$

$$\overset{+4}{-4} - 11w = \overset{+4}{18}$$

$$\begin{array}{r} | - 11w = 22 \\ \hline | - 11 \\ \hline | \end{array}$$

$$w = -2$$

Check  $-4 - 11(-2) = 18$

$$-4 + 22 = 18$$

$$18 = 18$$

Variable  
terms on  
one side  
Constants  
on other  
side

$$15 = \frac{a}{3} - 2$$

$$3 \cdot 17 = \frac{a}{3} \cdot 3$$

$$51 = a$$

$$a = 51$$

Symmetric Property

p 14-56E

$$15 - 4m = 10$$

$$\frac{-4m}{-4} = \frac{-5}{-4}$$

$$m = \frac{5}{4}$$

$$m = 1\frac{1}{4}$$

$$15 - 4\left(\frac{5}{4}\right) = 10$$