

# Lesson 6.6: Distributive Property

## Targets

1. I can solve multi-step equations using distribution.

## Equation Special Cases

First attempt this problem on your own. Then watch the video and copy his notes.

Your attempt:

$$8(3x + 10) = 28x - 14 - 4x$$

Video Notes:

$$8(3x + 10) = 28x - 14 - 4x$$

## Solving Equations with the Distributive Property

First attempt this problem on your own. Then watch the video and copy his notes.

Your attempt:

$$-9 - (9x - 6) = 3(4x + 6)$$

Video Notes:

$$-9 - (9x - 6) = 3(4x + 6)$$

## Ex 1: Distributive Property to Simplify

First attempt this problem on your own. Then watch the video and copy his notes.

Your attempt:

$$7(w + 20) - w = 5$$

Video Notes:

$$7(w + 20) - w = 5$$

$$9(x - 2) = 3x + 3$$

$$9(x - 2) = 3x + 3$$

### Ex 3: Distributive Property to Simplify

First attempt this problem on your own. Then watch the video and copy his notes.

Your attempt:

$$3(x - 1) = 2(x + 3)$$

Video Notes:

$$3(x - 1) = 2(x + 3)$$

$$\frac{z}{16} = \frac{2(3z+1)}{9}$$

$$\frac{z}{16} = \frac{2(3z+1)}{9}$$

### Khan Activity: Multi-Step Equations with Distribution

Complete this activity on Khan.

### Exit Ticket

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
  - a. Multi-Step Equations with Distribution