

Name _____ Date _____



Skills Maintenance

Multiplying Integers

Activity 1

Complete the equations. Remember the PASS rules.

1. $-1 \cdot 3 = \underline{\hspace{2cm}}$

2. $4 \cdot \underline{\hspace{2cm}} = -4$

3. $-7 = \underline{\hspace{2cm}} \cdot -1$

4. $-2 \cdot -1 = \underline{\hspace{2cm}}$

5. $-1 \cdot \underline{\hspace{2cm}} = -8$

6. $-12 = \underline{\hspace{2cm}} \cdot 12$

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**Apply Skills****Invisible Coefficients****Activity 1**

Solve the equations involving invisible coefficients. Show all of your work so you can analyze the steps later if you make a mistake.

1. $-a = -25$

Show your work here:

2. $b - 2b = 12$

Show your work here:

3. $-27 = -3c + -6c$

Show your work here:

4. $-d = 5 + -5$

Show your work here:

5. $e + 2e + -4e = -5$

Show your work here:

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Problem-Solving Activity

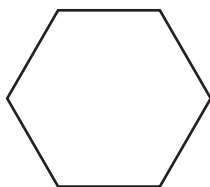
Exterior Angle Measurement of Regular Polygons

In the *Table of Measures for Regular Polygons* you will find the measure of interior angles for different regular polygons. Use this information to solve the problems. Find the sum of the measure of exterior angles for different polygons. You will also write two equations:

1. An equation for the exterior angle.
2. An equation for the sum of the exterior angles.

Table of Measures for Regular Polygons			
Shape	Number of Sides	Total Measure of the Interior Angles	Measure of Each Angle
triangle	3	180°	60°
square	4	360°	90°
pentagon	5	540°	108°
hexagon	6	720°	120°
octagon	8	1,080°	135°

1. Hexagon



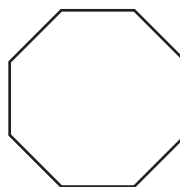
Write an equation for the exterior angle of a hexagon.

$n =$ _____

Write an equation for the sum of the exterior angles of a hexagon.

$n =$ _____

2. Octagon



Write an equation for the exterior angle of an octagon.

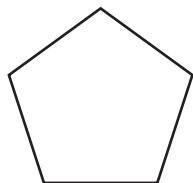
$n =$ _____

Write an equation for the sum of the exterior angles of an octagon.

$c =$ _____

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3. Pentagon



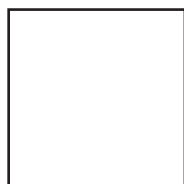
Write an equation for the exterior angle of a pentagon.

$$n = \underline{\hspace{2cm}}$$

Write an equation for the sum of the exterior angles of a pentagon.

$$j = \underline{\hspace{2cm}}$$

4. Square



Write an equation for the exterior angle of a square.

$$n = \underline{\hspace{2cm}}$$

Write an equation for the sum of the exterior angles of a square.

$$s = \underline{\hspace{2cm}}$$

mBook Reinforce Understanding



Use the mBook *Study Guide* to review lesson concepts.