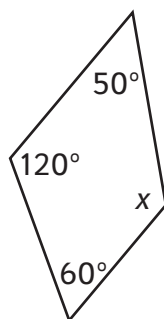Name _____ Date _____

Skills Maintenance
Angles of Quadrilaterals

Activity 1

Find the missing angle.

1.

What is the measure of angle x? _____

2.

What is the measure of angle a? _____

3.

What is the measure of the angles labeled angle z? _____

Integer Multiplication

Activity 2

Solve the problems involving multiplication of integers.

1. $-1 \cdot -3 =$ _____

2. $-5 \cdot$ _____ $= -45$

3. _____ $= -7 \cdot 3$

4. $-3 \cdot -5 =$ _____

5. $-3 \cdot$ _____ $= 3$

6. $-21 = 7 \cdot$ _____

Name _____ Date _____

%÷ Apply Skills
=x Negative Coefficients
<x

> **Activity 1**

Solve each pair of equations. Pay close attention to the negative signs. Compare the answers. Write about the different steps that you used because of the negative sign. Write about the difference in the answers.

1. Solve the two equations: $2x = 6$ $-2x = 6$

Show your work here:

Compare the steps you used to solve each. How are they alike and how are they different?

_____

_____

_____

Compare answers. What is the difference in the answer?

_____

_____

_____

Name _____ Date _____

2. Solve the two equations: $x + 5 = 14$ $-x + 5 = 14$

Show your work here:

Compare the steps you used to solve each. How are they alike and how are they different?

_____

_____

_____

Compare answers. What is the difference in your answer?

_____

_____

_____

3. Solve the two equations: $2x + 4 = 20$ $-2x - 4 = 20$

Show your work here:

Compare the steps you used to solve each. How are they alike and how are they different?

_____

_____

_____

Compare answers. What is the difference in the answer?

_____

_____

_____

Name _____ Date _____

Problem-Solving Activity
Using Drawings to Solve Problems

Use drawings to set up the problems. Then follow the steps to solve each problem. Make sure that you answer what the problem is asking for.

1. There are three stacks of dollar bills on the counter. The second stack has 5 times the number of bills as the first stack. The third stack has 2 times the number of bills as the first stack. When you count all of the money, the total amount is $160. How much money is in each stack?
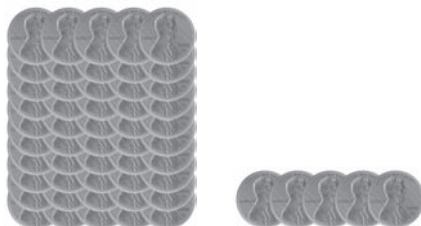
   _____

2. It is time to pay bills. Carmen writes three checks. The second check is 4 times the amount of the first check. The third check is 3 times the amount of the first check. The total amount for all three checks is $200. How much is written on each check?

   _____

3. Hector's younger sister saves pennies in jars. She has two jars with pennies. The first jar has 10 times more pennies than the second jar. Combined, she has 55 pennies. How many pennies are in each jar?

   _____

Name _____ Date _____

4. Laura and Dana are both working as servers in a restaurant. At the end of the shift, they count their tips. Laura has 2 times minus $5 as much money in tips than Dana. Combined they have $40. How much money does each one have in tips?

   _____

5. There are two cash registers in the store. The second cash register has 3 times the amount of money as the first cash register plus $10. The total amount of money in the two cash registers is $90. How much money is in each cash register?

   _____

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

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