



Name: \_\_\_\_\_ Period: \_\_\_\_\_

### Lesson 6.1-6.4 Worksheet

Use a number line to order the integers from least to greatest.

1.  $-265, 340, -180, 240, -325$

Find the sum.

2.  $-2 + (-17)$

3.  $28 + (-50)$

4.  $-17 + 15$

Find the sum.

5.  $-7 + 2 + (-6)$

Evaluate the expression when  $a = -3$  and  $b = 5$ .

6.  $-3 + a + b$

Find the difference.

7.  $-22 - 10$

8.  $-10 - (-28)$

Evaluate the expression for the given values of the variables.

9.  $a - b + c$ , when  $a = 3$ ,  $b = 12$ , and  $c = -1$

10.  $-p - q$ , when  $p = 48$  and  $q = -33$

11. Edna owns a small business. There was a loss of \$17 on Monday and a loss of \$14 on Tuesday. On Wednesday there was a profit of \$8 and on Thursday there was a loss of \$5. Find the total profit or loss.

- a. \$33 loss
- b. \$44 loss
- c. \$28 loss
- d. \$18 loss

Find the product.

12.  $-6(-10)$

13.  $-8(2)$

14.  $-3(-92)$

15.  $-8(3)(6)$

Solve the equation using mental math.

16.  $-8k = -24$

17.  $6b = -42$

Evaluate the expression for the given value(s) of the variable(s).

18.  $-xy$ , when  $x = -7$  and  $y = -6$

- a.  $-42$
- b.  $13$
- c.  $42$
- d.  $-13$

19.  $c^3$ , when  $c = -4$

20. At noon the temperature was  $16^{\circ}\text{C}$ . If the temperature then rose  $4^{\circ}\text{C}$  per hour, what was the temperature after 6 hours?