Module 3   Integers
Lesson 4   Multiplying and Dividing Integers

Use counters to multiply.

1. -2×5

2. 6×-4

3. -1×-3

Use a number line to multiply.

4. 3×5

5. -4×-4

6. -2×7

Multiply.

7. 7×-3

8. 11×4

9. -5×-2

10. -9×7

11. 10×-3

12. -6×-4

Divide.

13. $18 \div -9$

14. $-28 \div -7$

15. $77 \div 11$

16. $63 \div -9$

17. $-12 \div -4$

18. $40 \div -4$

Use the numbers or their opposites in the order in which they are listed to write four multiplication number sentences for each problem. Make two of the products negative and two of the products positive.

19. 3, 9, 27

20. 6, 8, 48

Journal

1. Jerry was five weeks late returning research material to the public library. He had to pay a five-dollar fine for each week he was late. Write a number sentence using integers to demonstrate his total late fee. What is his late fee? Explain your reasoning.

2. Eight weeks ago, Jonathan began withdrawing $10 per week from his checking account. Write a number sentence using integers that represents Jonathan's withdrawals and find the total amount withdrawn. Explain your reasoning.

3. Write and solve a multiplication word problem that uses one positive integer and one negative integer.

Cumulative Review

Find the absolute value.

1. $|6|$

2. $|-5|$

Order the numbers from least to greatest.

3. -5, -8, -3, 4

4. 20, -18, -25, 22, 16, -11

Add.

5. $27 + (-7)$

6. $-34 + (-1)$

7. $-49 + 5$

8. $13 + (-5)$

Subtract.

9. $34 - (-8)$

10. $-2 - 2$

11. $-1 - (-21)$

12. $17 - 32$

Additional Work Area