Independent Practice

3.1

Module 3   Integers
Lesson 1   **Integers and Absolute Value**

Write a negative or positive number that correctly represents each statement.

1. The average temperature in Canada is eight degrees below zero.

2. The Eagles football team gained 15 yards on one play.

3. Katie owes her mother $25.

4. Janice earned $100.

Write the opposite of each integer.

5. -121

6. +35

Find the absolute value.

7. $|-66|$

8. $|51|$

9. $|3|$

10. $|-90|$

Compare each set of numbers. Write > or <.

11. 3 _____ -2

12. -8 _____ -4

13. -1 _____ 0

14. -3 _____ -11

Order the following lists of numbers from least to greatest.

15. 6, -4, 4, 5, -5, 1

16. 0, 2, 1, 3, -1, -3, -2

17. -9, 7, 10, -10, -12, 6, -4

18. -15, -5, 12, 3, 0, -1, 1

Journal

1. What is one way that absolute value could be used in an everyday situation? Explain.

2. Begin at zero on a number line. What is the total distance walked, in units, if you walk four units to the left of zero and from that point, walk seven units to the right? Explain.

3. On what number would you land on the number line described in Question 2? Explain.

4. If you begin on the point negative five on a number line and travel negative eight more units, would you be further away or closer to zero? Explain.

5. On what number would you land on the number line described in Question 4? Explain.

Cumulative Review

Add or subtract to solve.

1. In January, the local newspaper sold 11,349 papers. In February, it sold 8,995 papers. What is the difference in sales between January and February?

Estimate before multiplying. Use the Partial Products Method of multiplying.

2. 227×8

3. If Dan sold 478 boxes of candy bars and there were 19 bars per box, how many candy bars did Dan sell?

Divide. Use the Partial Quotients Method.

4. Jayne types an equal number of pages per day. If she works 18 days and types 630 pages, how many pages does she type per day?

5. Beth spent $1,288 on 14 equally priced graphing calculators for her classroom. How much did each calculator cost?

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Divide. Answer each question by interpreting the remainder.

6. After dividing 112 one-dollar bills equally between six people, Larry is allowed to keep the money that is left over. How much money will Larry be allowed to keep?

7. Mrs. Tanner needs enough equipment for each student to perform a science experiment in her classroom. She must order equipment that is sold 10 complete sets to a box. How many boxes should she order if she has 84 students?

Solve. Use one of the following problem-solving strategies: *Draw a Diagram, Make a List, Guess and Check, Find a Pattern.*

8. What are the next three numbers in this sequence of numbers?

2, -4, 3, -9, 4, -16, 5, -25 …

9. Find the missing digits in the following multiplication problem.

$$\begin{array}{r} \square48 \\ \times\ \square \\ \hline 1,\square\ \square4 \end{array}$$

Additional Work Area