

Lesson 4.2 Integer Values in Real Life

Integers can be used to describe real-life situations.

A driver is going 15 miles per hour below the speed limit. The integer -15 can describe this situation. The negative sign shows that the speed is less than the speed limit.

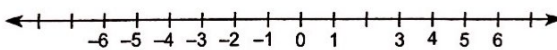
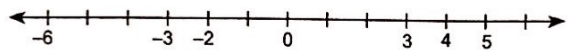
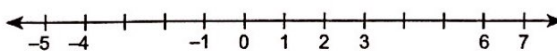
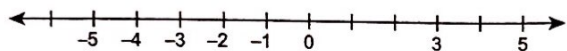
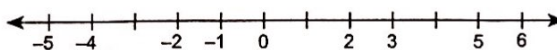
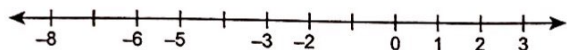
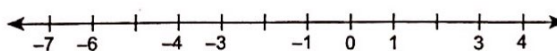
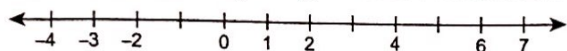
Use integers to represent each real-life situation.

- | a | b |
|--|---|
| 1. 45 feet below sea level _____ | a gain of 8 yards on a play _____ |
| 2. \$528 deposit into a checking account _____ | 62° above zero _____ |
| 3. stock market increases of 345 points _____ | an 8-pound weight loss _____ |
| 4. 7,500 feet above sea level _____ | withdrawal of \$80 from an ATM _____ |
| 5. a 10-pound weight gain _____ | stock market decrease of 250 points _____ |
| 6. 3 units to the right on a number line _____ | 8 units to the left on a number line _____ |
| 7. 10 units to the left on a number line _____ | 7 units to the right on a number line _____ |
| 8. \$60 deposit into a savings account _____ | withdrawal of \$95 from an ATM _____ |
| 9. stock market decrease of 97 points _____ | 34° below zero _____ |
| 10. 100 feet below sea level _____ | a gain of 15 yards on a play _____ |
| 11. a 25-pound weight loss _____ | stock market increase of 390 points _____ |
| 12. 95° above zero _____ | 6,000 feet above sea level _____ |

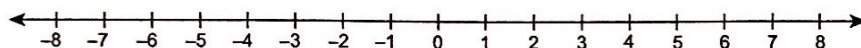
GRAPHING INTEGERS ON A NUMBER LINE

SKILLS

Write in the missing integers of the number line.



List the integers by referring to the number line.



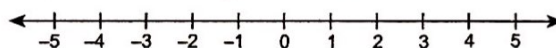
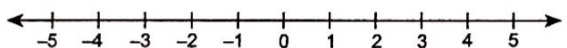
The integers between 0 and 4 are _____. The integers between -1 and -4 are _____.

The integers between 3 and 6 are _____. The integers between -2 and -5 are _____.

The integers between -5 and -8 are _____. The integers between 5 and 8 are _____.

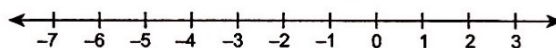
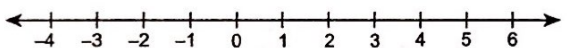
The integers between -3 and -7 are _____.

Graph the integers.



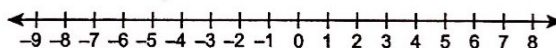
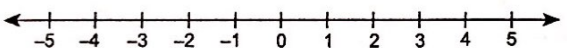
Graph -1 and 3.

Graph 1 and 4.



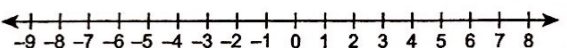
Graph -3 and 5.

Graph -6 and -2.



Graph -2 and 2.

Graph -7 and 6.

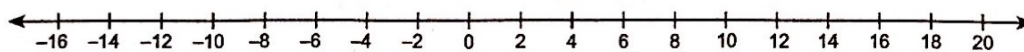


Graph -8 and 7.

PROBLEM SOLVING

Graph each described integer on the number line. What word is spelled?

- | | |
|----------------------------|------------------------|
| E: 20 feet above sea level | A: A loss of 2 dollars |
| T: A profit of 8 dollars | T: Grew 4 inches |
| L: Deposit 15 dollars | E: 8° below zero |
| S: 14 feet below sea level | |



When read from left to right, the letters spell the word "_____."

This Extra Practice worksheet supplements Larson's Prealgebra, a multimedia mathematics program for middle school by Meridian Creative Group. Learn more about Meridian's math tutorial programs, workbooks, and staff development workshops at www.meridiancg.com.