

Name: _____



PRACTICE



TUTORIAL

1-1 Additional Practice

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In 1–4, write the integer or description that represents the situation.

1. The temperature was -6°F . It rose so that the temperature was 0°F .

$^{\circ}$ represents the change in temperature.

2. Trevor spent \$27 and now has no money left. He had \$ before his purchase.

3. On Monday, the price of an online movie dropped \$3 in the morning and then another \$3 that afternoon. The following Monday morning, the price increased by \$6. The price of the online movie change from Monday morning to the following Monday morning.

4. A scuba diver rose 600 feet to the surface of the water. The integer that represents the diver's position, in feet, with respect to the water's surface before rising is .

5. A diver is 19 meters below the surface of the water. Use an integer to represent how far the diver will need to travel to reach the surface.

6. An elevator goes up 7 floors and then down 4 floors. What integer represents the change in the floor level?

7. How do you know the opposite of a nonzero integer?

8. Sean is exploring a coral reef 91 feet below sea level and Liz is hiking 91 feet above sea level. Who is farther away from sea level?

9. What must be true about two integers that combine to equal zero?

10. **Reasoning** A golfer's score after playing on Friday was $+2$. His score for Saturday's round was -5 . At the end of his round on Sunday, he was at even par, or 0. What integer represents the change in the golfer's score from the end of his round on Saturday to the end of his round on Sunday? Explain your answer. © MP.2



11. Which situation can be represented by the opposite of -7 ?
- Ⓐ You take an elevator down 7 floors.
 - Ⓑ You take an elevator up 7 floors.
 - Ⓒ The temperature drops 7°C .
 - Ⓓ A stock decreases 7 points.
12. A submarine is underwater. Its position is 645 feet below sea level. It rises in the water 100 feet and then descends 100 feet. What integer represents the change in the submarine's position in the water?
13. The amount you pay for a car is not usually the "sticker price," which may be the starting price. The price of a car was reduced by \$300 from the sticker price, increased by \$900 for additional features, and then reduced by \$600 by the dealer. What integer represents the total change in price with respect to the sticker price? Use a number line to represent the change from the sticker price.
14. Carleton answered 53 questions incorrectly on a test. Write two different situations that can be represented by the opposite of -53 ?

Assessment Practice

15. Which of these situations can be represented by the opposite of -5 ? Select all that apply.
- You remove 5 rose bushes from your garden.
 - The temperature rises 5°F .
 - The temperature drops 5°F .
 - You save \$5 on a book with a coupon.
 - You withdraw \$5 from your savings account.
16. Which of these situations can be represented by the opposite of 8? Select all that apply.
- You delete 8 contacts from your cell phone.
 - You deposit \$8 into your savings account.
 - The temperature rises 8°F .
 - A plant grows 8 inches taller.
 - You walk down 8 flights of stairs.

