

Lesson 2

Absolute Value**Guided Practice**

1. What is the opposite of 0? (Example 1)

Show your work

2. What is the opposite of the opposite of 6? (Example 2)

Evaluate each expression. (Examples 3–5)

3. $|-5| =$ _____

4. $|20| - |-3| =$ _____

5. $|-16| + |-12| =$ _____

6. A game show contestant lost 15 points. He answered another question incorrectly and lost another 15 points. How many total points has he lost? (Example 6)

Independent Practice

Find the opposite of each integer. (Example 1)

1. 6 _____

2. -3 _____

3. 0 _____

Show your work

Find the opposite of the opposite of each integer. (Example 2)

4. 12 _____

5. -9 _____

6. -17 _____

Evaluate each expression. (Examples 3–5)

7. $|-14| =$ _____

8. $|31| - |-1| =$ _____

9. $|-15| + |-6| =$ _____

10. Jayson spent \$18 on a shirt. Then he spent \$24 on a pair of pants. What is the total amount he spent? (Example 6) _____

11. Lilly saw a jelly fish at 6 feet below sea level. She saw a bright blue fish at 10 feet below sea level. What is the distance between the blue fish and the jelly fish? (Example 6) _____

12. **STEM** The table shows the melting points of various elements. Is the absolute value of the melting point of neon greater than or less than the absolute value of the melting point of hydrogen? _____

Element	Melting Point ($^{\circ}\text{C}$)
Hydrogen	-259
Neon	-248
Oxygen	-218

STEM The surface of Jupiter is made of colorful clouds created by various chemicals in the atmosphere. The temperature at the top of the clouds is -230°F . The temperature below the clouds is 70°F . Which temperature has the lower absolute value? _____

Reason Abstractly Evaluate each expression.

14. $-|3| =$ _____

15. $|5 + 9| =$ _____

16. $|17 - 8| =$ _____



Standardized Test Practice

23. If $x = -2$ and $y = 2$, then which of the following statements is false?

(A) $|x| > 1$

(C) $|y| < 1$

(B) $|x| = |y|$

(D) $|x| = y$

36. The balance of Bryce's account is \$16. Jada's account is \$5 overdrawn. What is the difference between their account balances?

37. A football team lost 3 yards on their first play and 6 yards on their second play. How many total yards did they lose?
