

Everyone can learn.



Write an integer for each situation:

1. A profit of \$9
2. A bank withdrawal of \$50
3. 53 degrees below zero
4. 7 inches more than normal
5. 1200 feet below sea level

6. The number of yards a football team moves on the field can be represented using the expression $|8| + |-4|$.

- a) How many yards did the football team move?
- b) Explain why the expression wasn't just written as $8 + 4$.

7. A scuba diver descended 10 feet, 8 feet, and 11 feet. The total number of feet can be represented using the expression $|-10| + |-8| + |-11|$. What is the total number of feet the scuba diver descended?

Evaluate each expression:

8. $|-3| + 3$
9. $|-8| - 8$
10. $|-7| + |-4|$
11. $12 - |-5| + 7$
12. $|-9| \div 3 \times |6|$
13. $|28| \div 2 - |-4|$
14. If $|x| = 3$, what is the value of x ?

15. Cross out the expression that is not equal to the other three:

$15 - |-5|$

$|-4| + 6$

$-|7 + 3|$

$|-10|$

16. Circle the expression that is the farthest from zero on the number line:

$|-18|$

$|20|$

$|-20|$

$|-21|$

17. A and B are two numbers. Is it *always*, *sometimes*, or *never* true that $A - |B| \leq A + B$? Explain.