

Name: _____

Grade: _____

Score: _____

Worksheet #1



ABSOLUTE VALUE

Learning goal: Students will understand the meaning of absolute value, apply it to integers, and use its properties to solve questions.

1. If $|x| = 9$, what are the possible values of x ?

2. If $|a| = |b|$ and $a = -12$, what is b ?

3. True or False: $|x| = |-x|$ for any integer x .

4. If $|m| = 0$, then what is the value of m ?

5. $|-15| + |7| = ?$

6. If $|p| = 20$, list two possible values of p .

7. Which is greater: $|-32|$ or $|25|$?

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Worksheet #1(Answers)



ABSOLUTE VALUE

Learning goal: Students will understand the meaning of absolute value, apply it to integers, and use its properties to solve questions.

1. If $|x| = 9$, what are the possible values of x ?

Solution: $x = 9$ or $x = -9$

2. If $|a| = |b|$ and $a = -12$, what is b ?

Solution: $b = -12$ or $b = 12$

3. True or False: $|x| = |-x|$ for any integer x .

Solution: True

4. If $|m| = 0$, then what is the value of m ?

Solution: $m = 0$

5. $|-15| + |7| = ?$

Solution: $15 + 7 = 22$

6. If $|p| = 20$, list two possible values of p .

Solution: $p = 20$ or $p = -20$

7. Which is greater: $|-32|$ or $|25|$?

Solution: $|-32| = 32$ is greater than 25