Integers and order of operations Worksheet

Middle School Math

Name _____ Date _____

Warm-up

1. $4 - 9$

2. $-11 \times (-4)$

3. $-10 + 8$

4. $-6 \div -2$

Practice

5. The temperature was $-1°$C and fell by $14°$. What's the temperature now, in °C?

6. $(-8)^2 - 8^2$

7. $1 - (-5)$

8. $3 - 5 \times 6$

9. $-7^2 + 6$

Challenge

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10. How far apart are -7 and 12 on the number line?

11. The product of 9 negative numbers is...
    (A) positive (B) negative (C) zero (D) it depends

12. A submarine at -122 m rises 50 m, then dives 38 m. Where is it now, in meters?

13. $6(5-10)^2 \div 1$

14. What number is 7 away from -10 and to its right on the number line?

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Integers and order of operations Worksheet: Answer Key

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1. -5

   Subtracting walks left. Start at 4.

2. 44

   Same signs give a positive.

3. -2

   Start at -10 and walk 8 to the right.

4. 3

   Divide the sizes, then decide the sign.

5. -15

   Falling means subtracting: $-1 - 14$.

6. 0

   $(-8)^2$ and 8^2 are both 64.

7. 6

   Subtracting a negative is adding: $1 + 5$.

8. -27

   Multiply first: $5 \times 6 = 30$.

9. -43

   The exponent touches only 7, so $-7^2 = -49$.

10. 19

    Distance is the bigger minus the smaller: $12 - (-7)$.

11. (B) negative

    Each pair of negatives makes a positive, and with an odd count one negative stays unpaired.

12. -110

    $-122 + 50 - 38$. Rising adds and diving subtracts.

13. 150

    Parentheses give -5, and squaring gives 25. Then multiply and divide.

14. -3

    To the right means adding: $-10 + 7$.

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