Rosedale Math - Integer Quiz

Name:

Block:

1. -2 + (+3) =

2. -5 + (+4) =

3. 5 - (-3) =

4. -7 ÷ (-3) =

5. -14 - 6 =

6. 6 + (-8) =

7. 12 + (+7) =

8. -8 + (-1) =

9. -9 - (+6) =

10. 11 + (-2)=

11. -3(-4) =

12. 24 ÷ (-6) =

13. 5(-18) =

14. -8 ÷ (-4) =

15. 17(-4) =

16. 81 ÷ (-9) =

17. -21 ÷ (-7) =

18. -7(9) =

19. 8(7) =

20. 56 ÷ (-14) =

21. 45 - (-27) =

22. 19(-4) =

23. -42 ÷ (-6) =

24. -21 + -19 =

25. 32 ÷ (-4) =

26. 14 - (-7) + (-2) =

27. -8 ✖ -4 ÷ -2 =

28. -24 ÷ 4 + -17 =

29. 7 - (-3) + (-2) - 4 =

30. 12 + (-7) - (-28) =

B. Use order of operations to solve the following problems.

1. 18 - (-12 - 3) =

2. -19 + (7 + 4) =

3. 18 + (-7) x (32 − 6) =

4. -19 - (-3) + -2(8 + -4) =

5. $20 + -4(3 - 6)$

6. $-3 + 2(-6 \div 3) =$

Solve the following word problems using positive and negative numbers.

1. Steve has overdrawn his checking account by $27. His bank charged him $15 for an overdraft fee. Then he quickly deposited $100. What is his current balance?

3. Find the difference in height between the top of a hill 973 feet high and a crack caused by an earthquake 79 feet below sea level.

4. In Detroit the high temperatures in degrees Fahrenheit for five days in January were -12°, -8°, -3°, 6°, -15°. What was the average temperature for these five days? **Hint: To find the average of a set of numbers, first add all the numbers together and then divide by how many numbers there are.**

5. Hightop Roofing was $3765 in the "red" (owed creditors this amount) at the end of June. At the end of December they were $8765 in the "red." Did they make or lose money between June and December? How much?

KEY

Rosedale Math - Integer Quiz

Name:
Block:

1. -2 + (+3) = 1

2. -5 + (+4) = -1

3. 5 - (-3) = 8

4. -7 - (-3) = -4

5. -14 - 6 = -20

6. 6 + (-8) = -2

7. 12 + (+7) = 19

8. -8 + (-1) = -9

9. -9 - (+6) = -15

10. 11 + (-2) = 9

11. -3(-4) = 12

12. 24 ÷ (-6) = -4

13. 5(-18) = -90

14. -8 ÷ (-4) = 2

15. 17(-4) = -68

16. 81 ÷ (-9) = -9

17. -21 ÷ (-7) = 3

18. -7(9) = -63

19. 8(7) = 56

20. 56 ÷ (-14) = -4

21. 45 - (-27) = 72

22. 19(-4) = -76

23. -42 ÷ (-6) = 7

24. -21 + -19 = -40

25. 32 ÷ (-4) = -8

26. 14 - (-7) + (-2) = 19

27. -8 × -4 ÷ -2 = -16

28. -24 ÷ 4 + -17 = -23

29. 7 - (-3) + (-2) - 4 = 4

30. 12 + (-7) - (-28) = 33

B. Use order of operations to solve the following problems.

1. 18 - (-12 - 3) = 33
   -15

2. -19 + (7 + 4) = -8
         11

3. 18 + (-7) × (32 - 6) =
                26
      -182 = -164

4. -19 - (-3) + -2(8 + -4) = -
                        4
   -19 + 3 + -8
      -24

7
18·12
- 18
164

5. $20 + -4(3 - 6)$ 6. $-3 + 2(-6 \div 3) =$

    -3   - 2
    12   - 4   -7

    3 2

Solve the following word problems using positive and negative numbers.

1. Steve has overdrawn his checking account by $27. His bank charged him $15 for an overdraft fee. Then he quickly deposited $100. What is his current balance?

$-27 + -15 + 100$

$-42 + 100 = 58$

3. Find the difference in height between the top of a hill 973 feet high and a crack caused by an earthquake 79 feet below sea level.

$973 - -79$

    9 7 3
    7 9
    10 5 2

4. In Detroit the high temperatures in degrees Fahrenheit for five days in January were -12°, -8°, -3°, 6°, -15°. What was the average temperature for these five days? **Hint: To find the average of a set of numbers, first add all the numbers together and then divide by how many numbers there are.**

$\dfrac{18 - 26}{5} = \dfrac{-8}{5} = -1.6°F$

5. Hightop Roofing was $3765 in the "red" (owed creditors this amount) at the end of June. At the end of December they were $8765 in the "red." Did they make or lose money between June and December? How much?

-3765

Lost $5000