Practice Quiz - Adding, Subtracting, Multiplying & Dividing Integers

Evaluate each expression.

1. \(21 - (-12)\)  
2. \(-100 \div (-10)\)  
3. \((4)(-13)\)  
4. \(\frac{200}{-8}\)

5. \(-19 - 22\)  
6. \(14 \cdot (-3)\)  
7. \(23 + (-44)\)  
8. \(-9 - (-25)\)

9. \(\frac{-20}{-5}\)  
10. \(-19 + (-4)\)  
11. \(-44 \div 11\)  
12. \(-80 \div 8\)

13. \(-10 + 14\)  
14. \(-13 - (-15)\)  
15. \(-4 \cdot 5\)  
16. \(8 - 15\)

17. \(-8(-4)\)  
18. \(28 + (-16)\)  
19. \(-38 + 31\)  
20. \(-6(9)(2)\)

*21. \(12.2 \cdot (-3.09)\)  
*22. \(\frac{-70.25}{-5.5}\)

*23. \(27.3 - (-10.8)\)  
*24. \(-11.34 + 35.045\)
29. In golf, a negative score is a good thing (it means it took you fewer shots than normal to get the ball into the hole). Here are the results of a recent team golf match:

- Loudoun Valley’s scores: +2 , -3 , -1 , +4 , -5 , -3
- Woodgrove’s scores: -2 , +3 , -4 , -1 , -6

   a. Find each team’s total scores.

   b. Find each team’s average score. If the lower average score wins, who won?

30. Comstock Lode Mining Company wants to drill to an elevation of -168 below ground. If they plan to take 12 days to get there,

   a. Write an expression you could use to find what will be their average elevation change each day.

   b. What will be their average change in elevation each day?
31. In the frigid cold of Prudhoe Bay, AK, a body’s temperature will drop 1.5 degrees for every hour outside. If a trucker is stranded outside for 3.5 hours,

   a. Write an expression you could use to find his/her total change in temperature.

   b. What will be his/her change in temperature?

32. If you drop a ball in Great Salt Lake, it will fall 20 inches every second. If the bottom has an elevation of -440 inches,

   a. Write an expression that you could use to find how long it will take for the ball to reach the bottom.

   b. How long did it take for the ball to reach the bottom?

33. Marshall’s typewriter store is open 7 hours a day, Monday through Friday. They never sell any typewriters anymore, but they still have to pay an employee $9/hr.

   a. Write an expression that you could use to find the store’s change in income for the week.

   b. What is Marshall’s change in income for the week?

34. Jeff won a contest to play a round of golf with Phil Mickleson. Mickleson’s final score was -6, but Jeff shot +24.

   a. Write an expression that you could use to find the difference in their scores.

   b. What is the difference in their scores?

35. In Vladivostok, Siberia, the noon temperature was -13°C, but it dropped to -31°C by midnight.

   a. Write an expression that you could use to find the drop in temperature.

   b. What is the drop in temperature?
<table>
<thead>
<tr>
<th>Expression</th>
<th>Model With Counters</th>
<th>Model With Number Line</th>
<th>Answer</th>
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</thead>
<tbody>
<tr>
<td>7(-6)</td>
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<tr>
<td>(-6)(8)</td>
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