Assessment 2

Name: ..... Class: ..... Date: .....

1. Simplify:
   (a) $12 - 3 \times 2$
   (b) $|-2| + |4|$
   (c) $24 - 4 - 6 + 2 \times |-4|$
   (d) $2 \times 8 - 3(-2) - 12$
   (e) $24 \div 8 \times 2 - 15 \div 3$
   (f) $|-2||3| - 2 - 3$
   (g) $8 \times 4 \div 16 \times 2$
   (h) $128 \times 16 \div 32 - 4 \times 16$
2. Simplify using number line.
   (a) $(+2) + (+3)$
   (b) $(-2) + (+4)$
   (c) $(+5) - (+3)$
   (d) $(-3) - (-3)$
   (e) $(-2) + (+3) + (-4) - (-2)$
3. Simplify: $2 \times 8 \div 4 + 12 \div 6 \times 4 - 8 \times (-2)$
4. Arrange in descending order:
   (a) –22, +13, –23, –2, +34
   (b) +12, –34, –9, +8, 0
5. The temperature was increased by 6°C during the day and decreased by 8°C in the evening. The temperature in the morning was 21°C. Write an expression for the temperature in the evening and calculate the temperature in the evening.
6. A book store increased the printed price of a book by ₹ 15 and then decreased it by ₹ 20. If the printed price was ₹ 216, find the final price.
7. Find the sum of (–24) and 18.
8. Subtract –21 from the sum of 12 and –18.
9. Subtract 4 from the result of $(-36) \div 9$.
10. What must be added to 56 to get 34?
11. What must be subtracted from 44 to get 31?
12. The price of a mathematics book is ₹ 184, and that of a history book is ₹ 162. Find the price of two mathematics and three history books. If you pay ₹ 1000 to the store, how much did you get back?

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