Practice Test Papers on Integers

Class 7 (CBSE / ICSE)

Test Paper 3

Test Code: 2026/Integers/Class7/03

1. If the product of two integers is 0, then:

   - Both must be 0
   - At least one must be 0
   - Neither is 0
   - One is 1

   Solution: The product of two integers is 0 if and only if at least one of the integers is 0.
   Answer: $\boxed{B}$

2. Simplify: $(-1) \times (-1) \times (-1) \ldots$ (25 times)

   - 1
   - -1
   - 25
   - -25

   Solution: Since the number of -1s is odd (25 times), the product is -1. **Answer:** $\boxed{B}$

3. A plane is flying 5000m above sea level and is vertically above a submarine 1200m below sea level. What is the vertical distance between them?

   - 3800m
   - 6200m
   - 5000m
   - 1200m

   Solution: The vertical distance between the plane and the submarine is:

   $$5000 - (-1200) = 5000 + 1200 = 6200 \text{ meters}$$

   Answer: $\boxed{B}$

4. Find the value of $(-25) \times 102$.

   - -2550
   - 2550
   - -2502
   - 2502

   Solution:

   $$(-25) \times 102 = -2550$$

   Answer: $\boxed{A}$

5. Which integer is its own additive inverse?

- 1
- -1
- 0
- None

Solution: The integer 0 is its own additive inverse because $0 + 0 = 0$. **Answer:** $\boxed{C}$

6. Evaluate:
$$18 - \{20 - (8 \div 2)\}$$
- 2
- -2
- 14
- 4

Solution:
$$8 \div 2 = 4, \quad 20 - 4 = 16, \quad 18 - 16 = 2$$
Answer: $\boxed{A}$

7. $(-30) \times [13 + (-3)] =$
- -300
- 300
- -480
- 480

Solution:
$$13 + (-3) = 10, \quad (-30) \times 10 = -300$$
Answer: $\boxed{A}$

8. Find an integer a such that $a \div (-3) = -9$.
- 27
- -27
- 3
- -3

Solution:
$$a \div (-3) = -9 \implies a = (-9) \times (-3) = 27$$
Answer: $\boxed{A}$

9. If $a = -5$ and $b = 3$, then $(a - b) \neq (b - a)$. This shows subtraction is not:
- Associative
- Commutative
- Closure
- Distributive

Solution:
$$(a - b) = -5 - 3 = -8, \quad (b - a) = 3 - (-5) = 8$$
Since $(a - b) \neq (b - a)$, subtraction is not commutative. **Answer:** $\boxed{B}$

10. The integer whose product with -1 is -22 is:

- -22
- 22
- 0
- 1

Solution:

$$x \times (-1) = -22 \implies x = 22$$

Answer: $\boxed{B}$

11. A green grocer had a profit of Rs.47 on Monday, a loss of Rs.12 on Tuesday, and a loss of Rs.8 on Wednesday. Find his net profit or loss.

- Rs.27 profit
- Rs.27 loss
- Rs.35 profit
- Rs.67 loss

Solution:

$$47 + (-12) + (-8) = 47 - 12 - 8 = 27 \text{ (Profit)}$$

Answer: $\boxed{A}$

12. $(-2) \times (-3) \times (-4) \times (-5) \times (-6) =$

- 720
- -720
- 120
- -120

Solution:

$$(-2) \times (-3) = 6, \quad 6 \times (-4) = -24, \quad -24 \times (-5) = 120, \quad 120 \times (-6) = -720$$

Answer: $\boxed{B}$

13. $|-15| + |-5| - |20| =$

- 40
- 0
- -40
- 20

Solution:

$$|-15| = 15, \quad |-5| = 5, \quad |20| = 20, \quad 15 + 5 - 20 = 0$$

Answer: $\boxed{B}$

14. The sum of two consecutive integers is 11. The integers are:

- $5, 6$
- $-5, -6$

- $4, 7$
- $3, 8$

Solution: Let the integers be x and $x + 1$.

$$x + (x + 1) = 11 \implies 2x + 1 = 11 \implies 2x = 10 \implies x = 5$$

The integers are 5 and 6. **Answer:** $\boxed{A}$

15. If $a \times (-1) = 0$, then a is:

- 1
- -1
- 0
- Any integer

Solution:

$$a \times (-1) = 0 \implies a = 0$$

Answer: $\boxed{C}$