Practice Test Papers on Integers

Class 7 (CBSE / ICSE)

Test Paper 4

Test Code: 2026/Integers/Class7/04

1. $(-11) \times (-15) + (-11) \times (-25) = ?$

   - 440
   - -440
   - 110
   - -110

   Solution:

   $$(-11) \times (-15) + (-11) \times (-25) = (-11) \times [(-15) + (-25)] = (-11) \times (-40) = 440$$

   Answer: $\boxed{A}$

2. Find x if $x \div (-12) = -12$.

   - 1
   - -1
   - 144
   - -144

   Solution:

   $$x \div (-12) = -12 \implies x = (-12) \times (-12) = 144$$

   Answer: $\boxed{C}$

3. The multiplicative identity for integers is:

   - 0
   - 1
   - -1
   - None

   Solution: The multiplicative identity is the number that, when multiplied by any integer, leaves the integer unchanged. This is 1. **Answer:** $\boxed{B}$

4. $(-8) \times (-2) \times 0 \times (-5) = ?$

   - 80
   - -80
   - 0
   - 1

   Solution: Any product involving 0 is 0. **Answer:** $\boxed{C}$

5. The difference between the largest 3-digit positive integer and the smallest 3-digit negative integer is:

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- 0
- 1998
- 999
- 1000

Solution:

$$999 - (-999) = 999 + 999 = 1998$$

Answer: $\boxed{B}$

6. If $a \div b = -3$, which values of a and b are possible?

   - $a = 9, b = 3$
   - $a = -9, b = -3$
   - $a = 9, b = -3$
   - $a = -3, b = -3$

   Solution: We need to find a and b such that $a \div b = -3$.

   - $9 \div 3 = 3$ (Incorrect)
   - $-9 \div -3 = 3$ (Incorrect)
   - $9 \div -3 = -3$ (Correct)
   - $-3 \div -3 = 1$ (Incorrect)

   Answer: $\boxed{C}$

7. A cement company earns Rs. 8 profit per white cement bag and loses Rs. 5 per grey cement bag. It sells 3000 white and 5000 grey bags. Net result is:

   - Rs. 1000 profit
   - Rs. 1000 loss
   - Rs. 2000 loss
   - No profit no loss

   Solution:

   $$3000 \times 8 = 24000 \text{ Rs. (Profit)}, \quad 5000 \times 5 = 25000 \text{ Rs. (Loss)}$$

   $$24000 - 25000 = -1000 \text{ Rs. (Loss)}$$

   Answer: $\boxed{B}$

8. Which of the following is **not true**?

   - $0 \div (-7) = 0$
   - $(-7) \div 0 = 0$
   - $(-7) \div 1 = -7$
   - $(-7) \div (-7) = 1$

   Solution: Division by zero is **undefined**. **Answer:** $\boxed{B}$

9. $a \times (b + c) = a \times b + a \times c$ is called:

   - Commutative law

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- Associative law
- Distributive law
- Closure property

Solution: This is the **distributive law** of multiplication over addition. **Answer:** $\boxed{C}$

10. The successor of -99 is:

- -100
- -98
- 98
- 100

Solution: The successor of -99 is $-99 + 1 = -98$. **Answer:** $\boxed{B}$

11. On a number line, -5 is to the _____ of -3.

- Right
- Left
- Same position
- Above

Solution: -5 is to the **left** of -3 because $-5 < -3$. **Answer:** $\boxed{B}$

12. Evaluate: $[(-8) + (-2)] \div [(-5) + 3]$

- 5
- -5
- 10
- -10

Solution:

$$[(-8) + (-2)] = -10, \quad [(-5) + 3] = -2$$

$$-10 \div -2 = 5$$

Answer: $\boxed{A}$

13. Product of a negative integer and a positive integer is:

- Always positive
- Always negative
- Zero
- 1

Solution: The product of a negative integer and a positive integer is **always negative**.
Answer: $\boxed{B}$

14. The sum of two integers is 10. If one is -5, the other is:

- 5
- 15
- -15

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- 10

Solution:

$$-5 + x = 10 \implies x = 10 + 5 = 15$$

Answer: $\boxed{B}$

15. $(-1)^{\text{odd number}} =?$

- 1
- -1
- 0
- Not defined

Solution: For any odd number n, $(-1)^n = -1$. **Answer:** $\boxed{B}$

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