

Chapter 1 Worksheet – Integers

Section A: Basic Concepts (1 mark each)

- Write the opposite of:
 - $+9 \rightarrow$ _____
 - $-15 \rightarrow$ _____
 - Fill in the blanks:
 - The integer just before 0 is _____
 - The integer just after -3 is _____
 - True or False:
 - 0 is a positive integer \rightarrow _____
 - -1 is greater than $-5 \rightarrow$ _____
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Section B: Number Line (2 marks each)

- Draw a number line and mark: $-4, -1, 0, 3$
 - Which number lies to the left of -2 ?
 - -1
 - -3
 - 1
 - Arrange in descending order:
 $-2, 5, -7, 1 \rightarrow$ _____
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Section C: Addition & Subtraction (2 marks each)

- $(+6) + (-4) =$ _____
 - $(-8) + (+3) =$ _____
 - $(-5) + (-6) =$ _____
 - $(+10) - (-2) =$ _____
 - $(-9) - (+4) =$ _____
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Section D: Multiplication & Division (2 marks each)

- $(+7) \times (-3) =$ _____
- $(-6) \times (-4) =$ _____
- $(+20) \div (-5) =$ _____
- $(-18) \div (+6) =$ _____

 **Section E: Properties of Integers (3 marks each)**

16. Verify:
a) $(+3) + (-3) = 0$ (Additive inverse)
17. Check commutative property:
a) $(-2) + 5 = 5 + (-2)$
18. Is subtraction commutative? Give example.
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 **Section F: Word Problems (3 marks each)**

19. The temperature was 5°C and dropped by 8°C .
 What is the new temperature? _____
20. A diver goes down 10 meters and then rises 4 meters.
 What is the final position? _____
21. A player gains 15 points and loses 20 points.
 Final score change = _____
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 **Section G: HOTS / Challenge (4 marks each)**

22. Find the value:
 $(-3) + (-2) + (+7) + (-4) =$ _____
23. Which is greater:
 -15 or -10 ? Explain why.
24. Find two integers whose sum is -8 and difference is 2.