INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2026-27

CLASS: VII SUBJECT: MATHEMATICS DATE: 03-11-2026

LESSON 2: Operations With Integers (Part-2)

1. The sum of two positive integers is----------
2. ---------- is neither positive nor negative
3. When both the multiplier and the multiplicand are----- then the product is positive
4. -------- is called the additive identity
5. -------- is called the multiplicative identity
6. Additive inverse of 14 is----------
7. Identify the property name:(-5) × 4 = 4 ×(-5)
8. (-9) +------ = (-9)
9. -26 × ----- = 26
10. -17 ×---- = 0
11. ------ ÷ (-6) = -1
12. Find the value of
    a) 34 + 52
    b) (-74) + (-58)
    c) (-95) + 47
    d) 25 + (-32)
    e) 46 – 74
    f) 108 – (-23)
    g) (-33) – (-14)
13. Find the value of
    a) 54÷(-6)
    b) (-18) × 9
    c) 13 × 7
    d) 90 ÷ (-15)
    e) 65× (-17)
    f) (-216) ÷ (-36)
14. Find the pairs of numbers from their sums and differences
    a) Sum = 21 & Difference = 13
    b) Sum =-7 & Difference =-1

c) Sum = 1 & Difference = 15
d) Sum =-25 & Difference =-3

15. Verify a× (b × c) = (a× b) × c when a = 2 b =-3 c = 5
16. Verify 18 × (7 + (-3)) = (18 × 7) + (18 × (-3))
17. If 223 × 356 = 79388, without calculating, find the value of
    a) (-223) × 356 b) (-223) × (-356)
18. Given that (-256) × 847 =- 216832, write the value of
    a) (-245) × 847
    b) (-256) ×846
    c) (-245) × 846
19. A coin is placed at 0 on a number line. It is struck twice. If first strike moves it 5 units to the left and second strike moves it 7 units to the right, then find the final position of the coin?
20. The final position of a coin is +11. If its first movement is-5 units, find its second movement
21. Temperature drops by 8°C every hour. If the present temperature is 15°C, write an expression for temperature after 3 hours and find it
22. An elevator moves downward at 3 meters per minute. If it starts from 10m above the ground, where will it be after 20 minutes?
23. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer.
    (a) Aadil answered all the questions and scored 30 marks though he got 10 correct answers
    (b) Ben also answered all the questions and scored (-12) marks though he got 4 correct answers.
    How many incorrect answers had they attempted?
24. A mid-day meal supplier provides two types of food packets to schools. Each Nutri pack gives profit of ₹15 per packet each basic pack results in a loss of ₹6 per packet
    a) In a particular week, if the supplier distributes 3200 Nutri packs and 4500 basic packs then find whether the supplier makes a profit or loss and calculate the amount.
    b) On another day, if the supplier distributes 6000 basic packs, then how many Nutri packs must be distributed, so that there is no profit and no loss
    c) If the supplier distributes 5000 Nutri packs in a week and makes an overall profit of ₹51000, find the number of basic packs distributed.

25. Fill in the blanks with at least 5 different ways with integers:

a) ---- − (----- ×-----) = 16

b) (---- −------) ×------ = 42

c) (---- −------) +------- = 20

d) (---- + ------) ×------ =-48

Answers:

1. Positive 2. Zero 3. Negative 4. Zero 5. One

6.-14 7. Commutative property 8. 0 9.-1

10. 0 11. 6

12. a)86 b)-132 c)-48 d)-7 e)-2
f) 131 g)-19

13. a)-9 b)-162 c) 91 d)-6 e)-1105
f) 6

14. a) (17,4) b) (-4 ,-3) c) (8,-7) d) (-14,-11)

17. a)-79388 b) 79388

18. a)-207515 b)-216576 c)-207270

19. +2 20. +16 21.-9°C 22.-50m

23. Aadil- 10 questions, Ben – 16 questions

24. a) profit, profit = 21000 b) 2400 c) 4000

25. a) 1. $18 – (2 \times 1) = 16$

2. $32 – (8 \times 2) = 16$

3. $28 – (4 \times 3) = 16$

4. $30 – (7 \times 2) = 16$

5. $6 – (2 \times (-5)) = 16$

b),c) ,d)-Do self

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