



INDIAN SCHOOL NIZWA— WORKSHEET

MATHEMATICS

CH 1 INTEGERS

Name: _____

Date: _____

Class: VII Sec: _

- Write the next three consecutive numbers in the pattern 11, 8, 5, 2, —, —, —
- What should be added to $[(-30) \times 3]$ to get (-100) ?
- The additive inverse of $[(-25) + (-40)] \times (-2)$
- Simplify : $[-45 - 25] \div [-10]$
- Find the value of the expression: $[(-250 \div 50)] \times [-4 + 2]$
- What should be multiplied with $[(200 - 300)]$ to get (-400) ?
- $(-5) \times [-40 + 10] =$ _____
- $-300 \div ? = -6$
- Find the value of : $[(-4) \times (-25) \times (-9)] \div [(-2) \times (-3) \times (-5)]$
- $23 \times (-99) =$ _____ $\times (-100 +$ _____ $) = 23 \times$ _____ $+ 23 \times$ _____
- Which of the following does not represent an integer?
A. $20 \div (-4)$ B. $(-12) \div 5$ C. $0 \div (-7)$ D. $(-9) \div 3$
- State the properties of integers represented by the following mathematical statements.
A. $(-55) + 44 = (-11)$ B. $-23 \times (6 \times 5) = (-23 \times 6) \times 5$
C. $45 - 23 = 23 - 45$ D. $a + (b + c) = (a + b) + c$
- Fill in the blanks to make the given statements true.
a) $(34+5) + 79 = 34 +(5 +$ _____ $)$
b) $378 \times (-54) =$ _____ $\times 378$
- The product of 17 negative integers and 36 positive integers is a _____ integer.
- The product of 2 integers is (-36) ,if one of them is 4, then the other integer is _____.
- Use the suitable properties and simplify: $[(-4) \times (125) \times (250) \times (-80)]$
- Find the successor of $[(-200 \div -50) \times (-42 + 34)]$



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18. A and B participated in a race. The race was conducted in 6 parts. In the first part, 'A' won by 10 seconds. In the second part, 'A' lost by 1 min, then won by 20 seconds in the third part and lost by 25 seconds in the fourth part, 'A' lost by 37 seconds in the fifth part and won by 12 seconds in the last part. Who won the race finally by how much time difference?
19. Anil deposited ₹ 5000 in his bank account on one day and withdrew ₹ 2,400 on the second day. On the third day, he again deposited ₹ 1800. What was his balance at the end of the third day?

20. **CASE STUDY**

In a competitive examination, (+4) marks are given for every correct answer, (− 2) marks are given for every incorrect answer and, 0 marks for not attempting the question.

- a) Rinu scored 20 marks. If she has got 12 correct answers, how many questions has she attempted incorrectly?
- b) Rohit scored (− 6) marks in this test, though he has got 7 correct answers. How many questions has he attempted incorrectly?

Multiple Choice Questions

1. Which of the following shows the maximum rise in temperature?
a) 23° to 32° b) -10° to $+1^{\circ}$ c) -18° to -11° d) -5° to $+5^{\circ}$
2. Two integers p and q are at equal distance from 0 on the number line. Which relation between p and q is correct?
a) $P = -q$ b) $p = q$ c) $p + q = 1$ d) $p - q = 1$
3. Consider the mathematical expressions X and Y .
 $X: -22+(-14+38)$
 $Y: [(-22+(-14))] +38$
Which of the following statements is true regarding the expressions above?
a) $X < Y$ b) $X > Y$ c) $X = Y$ d) $X = -Y$
4. What is the quotient when an integer is divided by its additive inverse?
a) 1 b) 0 c) -1 d) the integer itself

Revision

Solve:

- i. $4572 \div 12$
- ii. 765×38
- iii. $(-240) + 5695 + (-345)$
- iv. $459.07 + 82.9$
- v. $\frac{5}{21} + \frac{9}{14}$
- vi. HCF of 32, 96, 80
- vii. LCM of 15, 30, 60
- viii. $\frac{12}{25} - \frac{15}{50}$