

INTERNATIONAL INDIAN SCHOOL

BURAI DAH

Worksheet For The Academic Year 2025-26

CLASS: VII SUBJECT: Mathematics DATE: 28/04/2024

LESSON-1 Integers

- 1) The smallest positive integer is ____.
- 2) The number ____ is neither positive nor negative.
- 3) The collection of whole numbers and _____ numbers form integers.
- 4) _____ is the multiplicative identity of integers.
- 5) An integer divided by itself gives _____.
- 6) The additive inverse of -5 is ____.
- 7) _____ is the additive identity of integers.
- 8) Integers are not closed under _____.
- 9) Commutative and Associative property are true for _____ and _____
Of integers.
- 10) Fill in with < or >
 - a) 4 ____ -1 b) 0 ____ -10
 - c) -15 ____ -8 d) -8 ____ 10
- 11) Fill in the blanks:
 - a) $-17 + \text{____} = 0$
 - b) $\{15 + (-12)\} + \text{____} = 15 + \{ \text{____} + (-9) \}$
 - c) $(-5) + \text{____} = (-8) + 0$
 - d) $\text{____} + \text{____} = -9$
 - e) $(-72) \div \text{____} = -1$
- 12) Solve the following:
 - a) $6 \times (-7)$ b) $(-11) \times (-4)$
 - c) $36 \times 10 \times (-5)$ d) $(-11) \times 6 \times (-4)$
 - e) $(-10) \times (-1) \times 0$ f) $99 \div (-1)$

g) $(-81) \div (-3)$ h) $0 \div (-1)$ i) $(-125) \div 5$

13) Find the value of:

a) $\{(-48) \div 12\} \div 4$

b) $\{(-6) + 5\} \div \{(-2) + 1\}$

c) $\{103 \div (-2 + 1)\} \div (-103)$

14) Verify if $8 \times \{7 + (-3)\} = (8 \times 7) + (8 \times -3)$

15) Verify that : $a \div (b + c) \neq (a \div b) + (a \div c)$ where $a = -20$, $b = -1$, $c = -1$

16) Write three pairs of integers (a , b) such that $a \div b = -2$.

17) Write two integers whose sum is -4.

18) In a class test (+4) marks are given for each correct answer , (-2) for each wrong answer and 0 for not attempting. Rani scored 32 marks . If she wrote 12 correct answers , how many questions were wrong?

Answers

12) a) -42 b) 44 c) -1800 d) 264 e) 0 f) -99 g) 27 h) 0 i) -25

13) a) -1 b) 1 c) 1

18) 8 wrong answers