

KOTHARI INTERNATIONAL SCHOOL, NOIDA
HALF YEARLY EXAMINATION, SESSION: 2025-26
GRADE: 7 SUBJECT: MATHEMATICS
SET: B SECTION A (OBJECTIVE)

DAY & DATE: TUESDAY , 9th SEPTEMBER 2025

MAXIMUM MARKS: 20

TIME ALLOTTED: 30 MINUTES

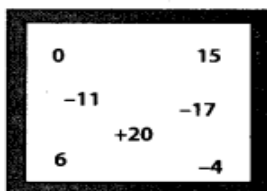
NAME: _____

ROLL NO: _____


GENERAL INSTRUCTIONS:

- i) This question paper consists of 2 pages and 20 questions.*
- ii) Question Nos. 1 to 20 carry 1 mark each.*
- iii) It is compulsory to attempt all the questions.*
- iv) Read the question paper carefully and then attempt it.*

- Q1. Which of the following operations on integers does NOT satisfy the commutative property? (1)**
a) Addition and Multiplication b) Subtraction and Division
c) Only addition d) Only Multiplication
- Q2. Shifting one term from one side of an equation to another side with a change of sign is known as _____ (1)**
a) commutativity b) associativity c) distributivity d) transposition
- Q3. How many rational numbers are there between two rational numbers? (1)**
a) 1 b) 0 c) infinite d) 100
- Q4. If the complement of an angle is 79° , then the measure of the angle is _____ (1)**
a) 10° b) 11° c) 79° d) 101°
- Q5. Out of 5 brands of chocolates in a shop, a boy wants to purchase the brand which is most liked by the children. What measure of central tendency would be most appropriate, if the data is provided to him? (1)**
a) Mean b) Mode c) Median d) Range
- Q6. Which of the following is NOT a rational number? (1)**
a) $\frac{0}{5}$ b) $\frac{0}{-5}$ c) $\frac{5}{0}$ d) -1
- Q7. Some integers are marked on a board. What is the range of these integers? (1)**



- a) 31 b) 37 c) 20 d) 3

- Q8. Which of the following rational numbers is equal to its reciprocal? (1)
 a) 0 b) 2 c) $\frac{1}{2}$ d) 1
- Q9. The picture interprets (1)

- a) $\frac{1}{4} \div 3$ b) $3 \times \frac{1}{4}$ c) $\frac{3}{4} \times 3$ d) $3 \div \frac{1}{4}$
- Q10. Write the statement “One third of a number m added to 15 is 18” in the form of equation: (1)
 a) $3m + 15 = 18$ b) $m + 15 = 18$ c) $\frac{1}{3}m + 15 = 18$ d) $\frac{1}{3}m + 18 = 15$
- Q11. Assertion (A) : $90^\circ, 90^\circ$ is pair of angles of supplementary angles. (1)
 Reason (R) : When the sum of the measures of two angles is 90° , the angles are called supplementary angles.
 a) Both A and R are true and R is the correct explanation of A.
 b) Both A and R are true but R is not the correct explanation of A.
 c) A is true but R is false.
 d) A is false but R is true.
- Q12. Assertion (A) : $(a \times b) \times c = a \times (b \times c)$ is called associative property. (1)
 Reason (R) : $(2 \times 4) \times 3 = 2 \times (4 \times 3) = 24$
 a) Both A and R are true and R is the correct explanation of A.
 b) Both A and R are true but R is not the correct explanation of A.
 c) A is true but R is false.
 d) A is false but R is true.
- Q13. If $\frac{5}{3}$ of a number is 15, then the number is _____ (1)
- Q14. $\frac{3}{5} \times 5\frac{1}{5} =$ _____ (1)
- Q15. The product of a negative integer and (-1) is _____ (1)
- Q16. _____ is the additive identity of integers. (1)
- Q17. The product of 0.07×0.9 is _____ (1)
- Q18. Sum of interior angles on the same side of a transversal is 90° . (True/False) (1)
- Q19. Multiplicative inverse of $\frac{15}{29}$ is $\frac{29}{15}$. (True/False) (1)
- Q20. Mode of the data is always from the given data. (True/False) (1)