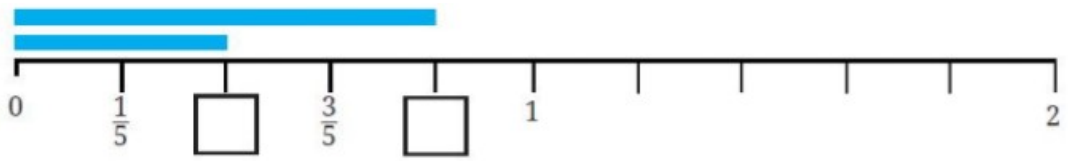
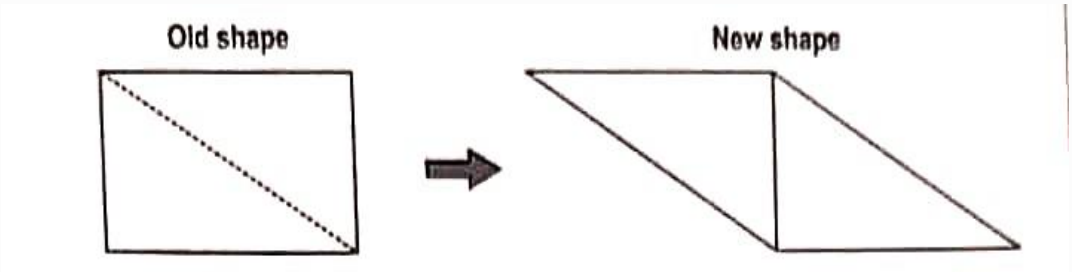
KOTHARI INTERNATIONAL SCHOOL, NOIDA
ANNUAL EXAMINATION, SESSION: 2025-26
GRADE: 6 SUBJECT: MATHEMATICS
SET: A SECTION A (OBJECTIVE)

DAY & DATE: TUESDAY, 24th FEBRUARY 2026
MAXIMUM MARKS: 20 **TIME ALLOTTED: 30 MINUTES**
NAME: _____ **ROLL NO: _____**

GENERAL INSTRUCTIONS:
i) This question paper consists of 3 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.

SECTION A		
Q1.	**When a negative integer is subtracted from another negative integer, the sign of the result** **a) is always negative** **b) is always positive** **c) is never negative** **d) depends on the numerical value of the integers**	**(1)**
Q2.	**The number line between 0 and 1 is divided into 5 equal parts shown in below figure. The 2nd mark from 0 represents—**  **a)** $\frac{1}{5}$ **b)** $\frac{2}{5}$ **c)** $\frac{3}{5}$ **d)** $\frac{4}{5}$	**(1)**
Q3.	**A figure that looks the same after folding along a line is said to have _____.** **a) rotation** **b) reflection** **c) line of symmetry** **d) translation**	**(1)**
Q4.	**In a rectangle, the opposite sides are equal and _____.** **a) adjacent sides are equal** **b) all angles are 60°** **c) all angles are 90°** **d) diagonals are perpendicular to each other**	**(1)**
Q5.	**Which of the following statements is true?** **a) −5 is greater than −2** **b) −2 is greater than −5** **c) −5 = −2** **d) Both are equal to zero**	**(1)**

Q6.	**Jerry cuts a rectangular piece of cardboard into two parts and joins them to get a new shape as shown below.**  **Which of the following statement is true about the area of the new shape?** **a) The area of the new shape is EQUAL TO the area of the old shape.** **b) The area of the new shape is LESS THAN the area of the old shape.** **c) The area of the new shape is MORE THAN the area of the old shape.** **d) Cannot be determined as the measurements of the shapes are not known.**	**(1)**
Q7.	**A 5-digit number is a palindrome. The sum of the digits is 28. The hundreds digit is 8. What is the number?** **a) 37873 b) 46864 c) 55855 d) All the above**	**(1)**
Q8.	**Which of the following has a line of symmetry?** (a) F (b)) (c) T (d) ?	**(1)**
Q9.	**Which of the following statements is true about a circle?** **a) A circle has no line of symmetry.** **b) A circle has exactly two lines of symmetry.** **c) A circle has a finite number of lines of symmetry.** **d) A circle has an infinite number of lines of symmetry.**	**(1)**
Q10.	**What is the correct step in Collatz rule if the number is odd?** **a) Divide by 2 b) Multiply by 3 and add 1** **c) Add 5 d) Subtract 1**	**(1)**

Q11.	**Assertion (A) : The largest number that can be formed using the digits 8, 6, 3, and 2 is 8632.** **Reason (R) : To form the largest number from a set of digits, arrange the digits in ascending order.** **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.**	**(1)**
Q12.	**Assertion (A) : Perimeter of a regular polygon = (sum of all sides of the polygon) x (number of sides).** **Reason (R) : In a regular polygon, all sides and all interior angles are equal.** **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.**	**(1)**
Q13.	**How many angles of symmetry does a square have?_____**	**(1)**
Q14.	**A paper strip of length 1 unit is folded to make 18 equal parts.What is the fractional length of one part? _____**	**(1)**
Q15.	**If you subtract the smallest prime number from 15, the result is _____**	**(1)**
Q16.	**Which is greater? $\frac{12}{25}$ OR $\frac{13}{15}$_____**	**(1)**
Q17.	**Express the fraction $\frac{58}{7}$ in the mixed form. _____**	**(1)**
Q18.	**A rectangle has four lines of symmetry. (True/False)**	**(1)**
Q19.	**If a rectangle has an area of 36 square units and a width of 4 units, its length must be 9 units. (True/False)**	**(1)**
Q20.	**The number of line of symmetry of a regular polygon is equal to the number of vertices of the polygon. (True/False)**	**(1)**