

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

**DAY & DATE : TUESDAY, 24<sup>th</sup> FEBRUARY 2026**

**MAXIMUM MARKS: 20**

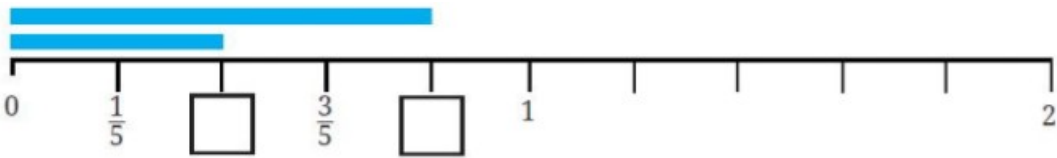
**TIME ALLOTTED: 30 MINUTES**

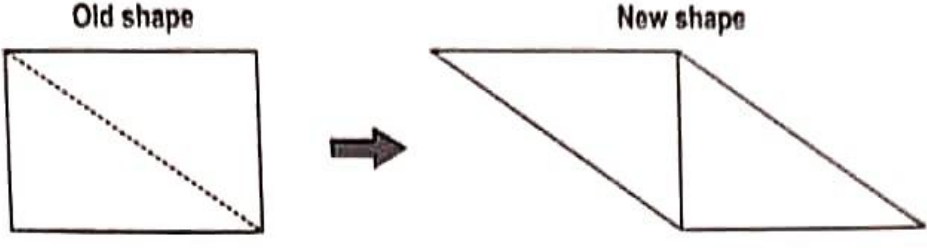




**NAME: \_\_\_\_\_**

**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		
<b>Q1.</b>	<p>The number line between 0 and 1 is divided into 5 equal parts shown in below figure. The 4th mark from 0 represents—</p>  <p style="margin-top: 10px;">a) <math>\frac{1}{5}</math>                      b) <math>\frac{2}{5}</math>                      c) <math>\frac{3}{5}</math>                      d) <math>\frac{4}{5}</math></p>	(1)
<b>Q2.</b>	<p>When a negative integer is subtracted from another negative integer, the sign of the result</p> <p>a) is always negative                      b) is always positive  c) is never negative                      d) depends on the numerical value of the integers</p>	(1)
<b>Q3.</b>	<p>A 5-digit number is a palindrome. The sum of the digits is 28. The hundreds digit is 8. What is the number?</p> <p>a) 37873                      b) 46864                      c) 55855                      d) All the above</p>	(1)
<b>Q4.</b>	<p>Which of the following statements is true?</p> <p>a) <math>-5</math> is greater than <math>-2</math>                      b) <math>-2</math> is greater than <math>-5</math>  c) <math>-5 = -2</math>                      d) Both are equal to zero</p>	(1)
<b>Q5.</b>	<p>A figure that looks the same after folding along a line is said to have _____.</p> <p>a) rotation                      b) reflection                      c) line of symmetry                      d) translation</p>	(1)

<p><b>Q6.</b></p>	<p>Jerry cuts a rectangular piece of cardboard into two parts and joins them to get a new shape as shown below.</p> <div style="text-align: center;">  </div> <p>Which of the following statements is true about the area of the new shape?</p> <p>a) The area of the new shape is <b>EQUAL TO</b> the area of the old shape.  b) The area of the new shape is <b>LESS THAN</b> the area of the old shape.  c) The area of the new shape is <b>MORE THAN</b> the area of the old shape.  d) Cannot be determined as the measurements of the shapes are not known.</p>	<p>(1)</p>
<p><b>Q7.</b></p>	<p>In a rectangle, the opposite sides are equal and _____.</p> <p>a) adjacent sides are equal                      b) all angles are 60°  c) all angles are 90°                                d) diagonals are perpendicular to each other</p>	<p>(1)</p>
<p><b>Q8.</b></p>	<p>Which of the following statement is true about a circle?</p> <p>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.</p>	<p>(1)</p>
<p><b>Q9.</b></p>	<p>Which of the following has a line of symmetry?</p> <p>(a)  (b)  (c)  (d) </p>	<p>(1)</p>
<p><b>Q10.</b></p>	<p>What is the correct step in Collatz rule if the number is odd?</p> <p>a) Divide by 2                                        b) Multiply by 3 and add 1  c) Add 5    d) Subtract 1</p>	<p>(1)</p>
<p><b>Q11.</b></p>	<p>Assertion (A) : Perimeter of a regular polygon = (sum of all sides of the polygon) x (number of sides).</p> <p>Reason (R) : In a regular polygon, all sides and all interior angles are equal.</p> <p>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.</p>	<p>(1)</p>

Q12.	<p>Assertion (A) : The largest number that can be formed using the digits 9, 8, 2, and 3 is 9832.</p> <p>Reason (R) : To form the largest number from a set of digits, arrange the digits in ascending order.</p> <p>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.</p>	(1)
Q13.	A paper strip of length 1 unit is folded to make 18 equal parts. What is the fractional length of one part? _____	(1)
Q14.	Express the fraction $\frac{79}{9}$ in the mixed form. _____	(1)
Q15.	How many angles of symmetry does an equilateral triangle have? _____	(1)
Q16.	Which is greater? $\frac{12}{25}$ OR $\frac{13}{15}$ _____	(1)
Q17.	If you subtract the smallest prime number from 15, the result is _____	(1)
Q18.	A rhombus has four lines of symmetry. (True/False)	(1)
Q19.	The number of line of symmetry of a regular polygon is equal to the number of vertices of the polygon. (True/False)	(1)
Q20.	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)