

B. Lamy  
05/01/26.

**BHARTIYA SHIKSHA BOARD  
MODEL PAPER – TERM II  
MATHEMATICS – CLASS VIII  
SESSION-2025-26**

**Time: 1 Hour**

**Max Marks: 20**

**GENERAL INSTRUCTIONS:**

- Read the questions carefully.
- 10 minutes extra time is allowed to read this question paper. During this time, students will read the question paper only and not write the answer.
- This question paper comprises of three section **A**, **B** and **C**. All questions are compulsory.

**Section A:** Q.no.1, carry 5 marks.

**Section B:** Q.no. 2 to 6, carry 1 mark each.

**Section C:** Q.no. 7 to 11, carry 2 marks each.

**Section A**

**Q.1. Choose the correct answer:**

- The term Trairasika is derived from the Sanskrit word Trai, which refers to the number three. What does the term 'rasi' mean  
(a) Calculation (b) Ratio (c) Quantity (d) Result
- All the sides of an \_\_\_\_\_ triangle are congruent.  
(a) equilateral (b) isosceles (c) scalene (d) none of these
- What is the sum of all exterior angles of a polygon ;  
(a)  $180^\circ$  (b)  $270^\circ$  (c)  $360^\circ$  (d)  $540^\circ$
- Find the range of the observations 12, 30, 25, 15, 20, 18, 23.  
(a) 28 (b) 30 (c) 12 (d) 18
- The total number of face card is :  
(a) 8 (b) 20 (c) 16 (d) 12

## Section B

**Q.2.** In the following table  $x$  and  $y$  are in inverse proportion. Find the value of  $a$  and  $b$

$x$	6	11	$b$
$y$	18	$a$	42

**Q.3.** The angles of a quadrilateral are in the ratio 2:3:3:4. Find all the angles.

**Q.4.** A die is thrown once. Find the probability of getting a prime number.

**Q.5.** Find the number of vertices of the polyhedron which has 10 faces and 15 edges.

**Q.6.** Name two regular polygons that tessellate.

## Section C

**Q.7.** The area of trapezium is  $158 \text{ cm}^2$ . Find the distance between the parallel sides if the lengths of parallel side are  $100 \text{ cm}$  and  $22 \text{ cm}$ , respectively.

**Q.8.** The following table shows the number of students in different classes in a primary school. Represent the data in form of a pie chart.

Classes	I	II	III	IV	V
No. of students	45	30	35	40	50

**Q.9.** Construct a quadrilateral PQRS such that  $PQ=3\text{cm}$ ,  $QR=4\text{cm}$ ,  $RS=5\text{cm}$ ,  $\angle Q=105^\circ$  and  $\angle R=80^\circ$ .

**Q.10.** 30 men can complete a piece of work in 12 days. In how many days can 40 men complete the same work.

**Q.11.** Find the measure of  $x$ ,  $y$  and  $z$  in the parallelogram ABCD.

