

Blury
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:

i. 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

ii. All the sides of an _____ triangle are congruent.

(a) equilateral (b) isosceles (c) scalene (d) none of these

iii. What is the sum of all exterior angles of a polygon ;

(a) 180° (b) 270° (c) 360° (d) 540°

iv. Find the range of the observations 12, 30, 25, 15, 20, 18, 23.

(a) 28 (b) 30 (c) 12 (d) 18

v. 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 cm^2 . Find the distance between the parallel sides if the lengths of parallel sides are 100 cm and 22 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 $\angle S=80^\circ$.

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.

