

PM SHRI KV NO. 2 AFS SRINAGAR

HOLIDAY HOMEWORK (WINTER)

Class - VI B

Subject- MATHS

Solve the following questions

Q1. Find the perimeter of a rectangle whose length is 15 cm and breadth is 8 cm.

Q2. A square has a side of 12 m. Find:

a) its perimeter

b) its area

Q3. Find the area of a rectangle whose length is 25 cm and breadth is 10 cm.

Q4. A rectangular garden is 20 m long and 15 m wide.

a) Find its perimeter.

b) A girl walks around the garden 3 times. How much distance does she cover?

Q5. A square playground has an area of 196 m^2 . Find its perimeter.

Q6. Convert into improper fractions:

a) $3 \frac{1}{4}$

b) $5 \frac{2}{3}$

Q7. Convert into mixed fractions:

a) $\frac{29}{5}$

b) $\frac{41}{6}$

Q8. Add the following fractions:

a) $\frac{3}{7} + \frac{2}{7}$

b) $\frac{4}{9} + \frac{7}{9}$

Q9. Subtract:

a) $\frac{5}{6} - \frac{1}{4}$

b) $\frac{7}{8} - \frac{3}{16}$

Q10. Find:

a) $\frac{2}{5} \times \frac{3}{4}$

b) $\frac{7}{9} \div \frac{2}{3}$

Q11. Construct a line segment of 6.5 cm.

Q12. Construct an angle of 60° using a compass.

Q13. Construct an angle of 90° .

Q14. Construct the perpendicular bisector of a 7 cm line segment.

Q15. Construct an angle of 45° by bisecting 90° .

Q. **16 Working Model: "Area & Perimeter Garden Layout"**

Materials Required:

Cardboard / thermocol sheet

Colored chart paper

Scale, marker

Scissors, glue

Small craft sticks or thread (optional for fences)

How to Make:

Take a large rectangular cardboard sheet as the base.

Divide it into smaller shapes like:

A square lawn

A rectangular playground

A triangular flower bed

A circular pond (optional using blue paper)

Write dimensions on each shape (e.g., 6 cm $\times$ 4 cm).

Calculate area and perimeter of each shape on small paper tags.

Paste these tags next to each section.

You can add fences around shapes using ice-cream sticks to highlight perimeter.