

ST. THOMAS SCHOOL, LONI

Worksheet (December)

CLASS –VII-___

Subject-Mathematics

Name: _____ **Roll no:** _____ **Date:** _____

NOTE:

✓ **Solve the worksheet in A4 size sheet and attach in portfolio.**

QUE 1 Fill in the blanks:

1. The value of 2^8 is _____.
2. $2 \times 2 \times a \times a$ in exponential form is _____
3. Value of $(-4)^3 =$ _____
4. $6^0 + 5^0 + 7^0 =$ _____
5. Area of square = _____ \times _____ square units.

QUE 2 Solve the following:

1. The length and breadth of a rectangular plot is 350m and 150m respectively. Find:
 - (a) The area
 - (b) The cost of the land, if 1 m² of the land costs Rs. 10,000
2. Find $(\frac{a^6}{a^4}) \times a^{-2} \times a^0$
3. Write 1024 as a power of 2.
4. Find the area and perimeter of square whose side is 4cm.
5. A garden is 50m long and 42m broad. A path of 2m wide is built outside and around it. Find the area of path in hectare?
6. If the circumference of a circular sheet is 132cm. find its radius and area.
7. Using the laws, find:
 - (a) $((3^3)^2 \times 3^2) \div 3^7$
 - (b) $\frac{3^6 a^8 b^4}{3^2 a^2 b^3}$
8. If the perimeter of a rectangle is 390cm and the length is 30cm. Find its breadth and area.
9. A wire is bent in a shape of rectangle. Its length is 30cm and breadth is 15cm and if the same is rebent in the shape of a square. What will be the measure of sides and which encloses more area.