



# DELHI PUBLIC SCHOOL FIROZABAD

(UNDER THE AEGIS OF DELHI PUBLIC SCHOOL SOCIETY EAST OF KAILASH NEWDELHI)

(A SENIOR SECONDARY SCHOOL)

AFFILIATED TO CBSE, AFFILIATION NO. 2133064 SCHOOL NO: 61225



## MATHEMATICS (Worksheet)

Name: \_\_\_\_\_

Class: VIII

Roll No.: \_\_\_\_\_

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### **I. Answer the following questions:**

1. A rectangle of length 40 cm has a perimeter equal to the perimeter of square of side 30 cm. Which of the two has more area and by how much?
2. The length and breadth of a rectangular field are in the ratio 4: 3. Its area is  $6,912 \text{ m}^2$ . Find the cost of fencing the field at 2.50 per metre.
3. The area of trapezium is  $720 \text{ cm}^2$ . If the parallel sides are 7 cm and 13 cm long, find the distance between them.
4. A box is 2 m long, 90 cm wide and 70 cm high. How many soap cakes can be put in it if each cake measures 5 cm by 4 cm by 20 mm?
5. The ratio of surface area of two cube is 1: 9. Find the ratio of their volumes.
6. The area of four walls of a room is  $105 \text{ m}^2$ . If the room is 13 m long and 4.5 m broad, find its volume.
7. An open cylinder tank of depth 1.5 m and radius of base 70 cm is to be made from a metal sheet. How many squares metres of metal sheet is required?