

SGM INTREERNATIONAL SCHOOL

Indira Nagar, Kalyanpur, Kanpur
Subject: Mathematics (Practice Sheet)
Class: VIII

1. **(Activity)**- To verify Pythagoras Theorem, experimentally.
2. **(Activity)**- To verify that the sum of all interior angles of a triangle is 180°
3. Find two rational number between 0 and 1.
4. Find the sum : $\frac{5}{4} + \frac{(-11)}{4}$
5. The length and the breadth of a rectangular piece of land are 500m and 300m respectively find its area and the cost of the land if one meter square of the land cost rupees 10,000?
6. The perimeter of a rectangle is 130 cm, If the breadth of the rectangle is 30 cm find its length, also find the area of rectangle.
7. A door of length 2m and breadth 1m is fitted in a wall, the length of the wall is 4.5 m and the breadth is 3.6m, find the cost of whitewashing the walls ,the rate of white-washing of the wall rupees 20 per meter square?
8. A gardener wants to fence a circular garden of diameter 21m,find the length of the rope he needs to purchase, if he makes two rounds of fence also find the cost of rope if it cost rupees 4 per meter.
9. Find the cost of polishing a circular table top of diameter 1.6 m, if the rate of polishing is rupees 15 per m square?
10. A path 5 m wide runs along inside a square Park of side 100m,find the area of the path also find the cost of cementing it at the rate of rupees 250 per 10 square.
11. A rectangular Park is 45 m long and 30m wide a path 2.5 m wide is constructed outside the park. Find the area of the path.
12. Two Cross Roads, each of width 5m, run at right angles through the centre of the rectangular Park of length 70m and breadth 45m and parallel to its side. find the area of the roads, also find the cost of constructing the roads at the rate of rupees 105 per m square.
13. In a quiz positive marks are given for correct answers and negative marks are given for incorrect answers. If Aman scores in five successive rounds were 25, -5, -10, 15 and 10, what was his total at the end?

14. Mohan deposits rupees to 2,000 in his bank account and withdraws rupees 1642 from it the next day. if withdrawal of amount from the account is represented by a negative integer then how will you represent the amount deposit find the balance in Mohan account after the withdrawal.
15. Rita goes 20 km towards east from a point A to point B. From B moves 30 km towards west along the same road. If the distance towards east is represented by a positive integer then how will you represent the distance travelled towards west full stop by which integer will you represent her final position from A?

-Please Stay home & avoid contact with others.