



VIDYA BHARATI SCHOOL

Olympiad Worksheet (November 2017)

Grade : VI

Subject : Mathematics(Perimeter and Area)

Tick ✓ the correct answer:

1. Find the side of the square if the area is $1600 m^2$.

- a. 20 m b. 2 m c. 40 m d. 5 m

2. Find the side of the square if the area is $225 m^2$.

- a. 2 m b. 15 m c. 40 m d. 25 m

3. Find the area of square if length of the side is 30 cm.

- a. $5 cm^2$ b. $144cm^2$ c. $100 cm^2$ d. $900 cm^2$

4. Find the area of square if length of the side is 45 m.

- a. $2025 m^2$ b. $110 m^2$ c. $200m^2$ d. $225 m^2$

5. Find the area of square if length of the side is 32 cm.

- a. $1044 cm^2$ b. $1204cm^2$ c. $1024 cm^2$ d. $1048 cm^2$

6. Find the length of the rectangle if the area is $300 m^2$ and breadth is 20 m.

- a. 20 m b. 2 m c. 40 m d. 15 m

7. Find the breadth of the rectangle if the area is $150 m^2$ and breadth is 7.5 m.

- a. 2 m b. 20 m c. 40 m d. 5 m

8. Find the perimeter of rectangle if length is 10 cm and breadth is 15 cm.

- a. 50cm b. 10 cm c. 30 cm d. 20 cm

9. Find the area of rectangle if length is 10 m and breadth is 15 m.

- a. $5 m^2$ b. $16 m^2$ c. $150 m^2$ d. $80 m^2$

10. Find the area of rectangle if length is 12 cm and breadth is 15 cm.

- a. $180 cm^2$ b. $150cm^2$ c. $102 cm^2$ d. $100 cm^2$

11. The area of a rectangular fence is 900 square feet. If the width of the fence is 20 feet, then find its length.

- a. 25 feet b. 35 feet c. 50 feet d. 45 feet

12. A gardener digs a flower bed that is 8 meters long and half a meter wide. What is the area of the flower bed?

- a. $4m^2$ b. $12m^2$ c. $16m^2$ d. $6m^2$

13. A rectangle is twice as long as it is wide. Its width is $5\frac{1}{2}$ cm. Find the area of the rectangle.

- a. $40.5cm^2$ b. $60.5cm^2$ c. $40cm^2$ d. $65cm^2$

14. Leela's bedroom is 6 meters long and $4\frac{1}{2}$ meters wide. How much carpet will Leela need to cover the floor of her bedroom?

- a. $25m^2$ b. $30m^2$ c. $27m^2$ d. $35m^2$

15. Tom built a backyard pen for his new puppy. The length of the pen was $6\frac{1}{4}$ meters and the width was 4 meters. What is the area of the pen?

- a. $15m^2$ b. $25m^2$ c. $35m^2$ d. $45m^2$

16. A small city park consists of a rectangular lawn that is $30\frac{1}{2}$ meters long and 20 meters wide. What is the area of the lawn?

- a. $500m^2$ b. $510m^2$ c. $600m^2$ d. $610m^2$

17. A rectangular swimming pool measures 16 meters by $8\frac{1}{4}$ meters. What is the area of the swimming pool?

- a. $132m^2$ b. $135m^2$ c. $142m^2$ d. $165m^2$

18. A square garden with a side length of 150 m has a square swimming pool in the very centre with a side length of 25 m. Calculate the area of the garden.

- a. $21875m^2$ b. $41365m^2$ c. $28175m^2$ d. $27185m^2$

19. A square has a perimeter of 28 inches. What is the area of the square?

- a. 45 square inches b. 36 square inches c. 49 square inches d. 35 square inches

20. A square kitchen has an area of 100 square feet. What is the kitchen's perimeter?

- a. 40 feet b. 50 feet c. 45 feet d. 35 feet

Link for more questions for practice:

www.edugain.com

www.softschools.com

www.edurite.com