



PERIMETER & AREA

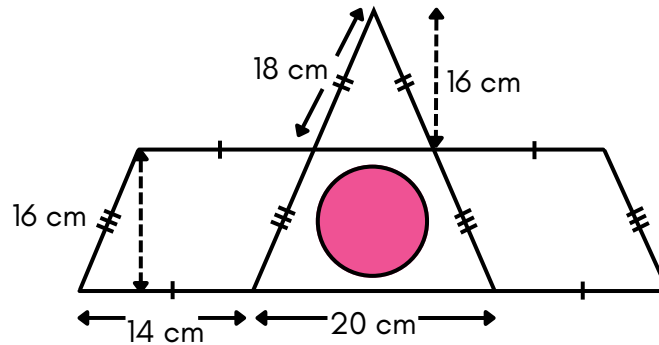
Worksheet 1



BELIEVE YOU CAN, AND YOU'RE HALFWAY THERE

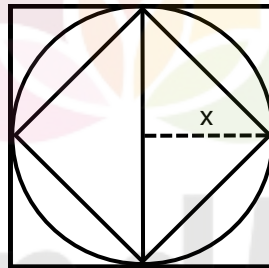
1 2 3 4

1. Calculate the perimeter and area of the given figure respectively, if radius of circle is 7 cm.



- A. 144 cm, 462 cm² B. 156 cm, 562 cm² C. 122 cm, 294 cm² D. 140 cm, 394 cm²

2. The difference of the area of the circumscribed and the inscribed square of a circle is 35 sq. cm. Find the area of the circle.

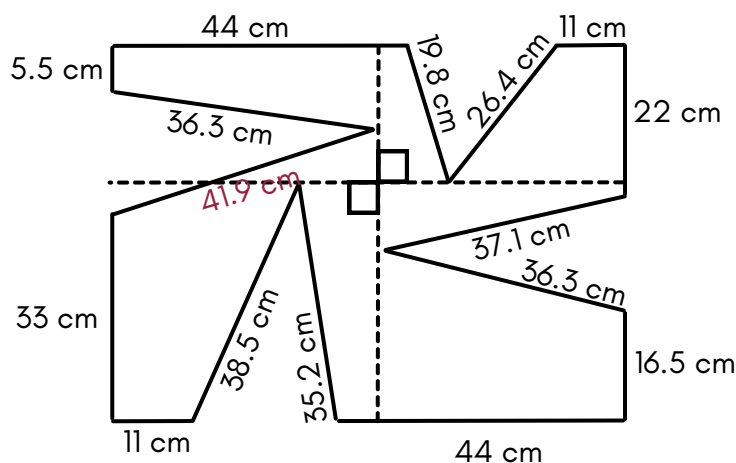


- A. 55 sq. m B. 70 sq. m C. 55 sq. cm D. 70 sq. cm

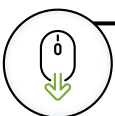
3. The perimeter of a rhombus is 146 cm and one of its diagonal is 55 cm. Find the other diagonal and the area of the rhombus.

- A. 24 cm, 660 cm² B. 24 cm, 330 cm² C. 48 cm, 660 cm² D. 48 cm, 1320 cm²

4. Sneha cut the following figure out of a rectangle cardboard of length 70 cm and breadth 50 cm. Find the area of the figure.



- A. 2722.5 cm² B. 2122 cm² C. 2577 cm² D. 2257 cm²

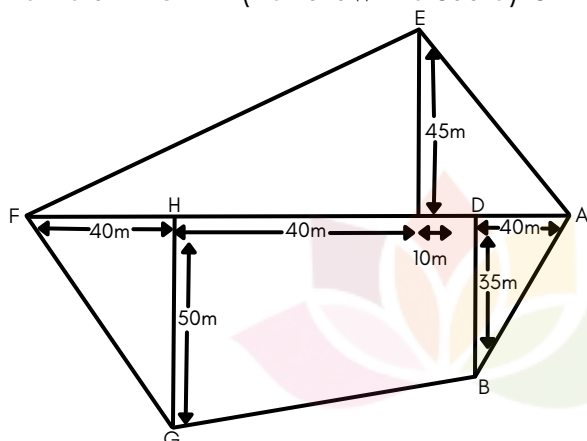


scroll down for Answer key

5. Within a rectangular garden 10 m wide and 20 m long, we wish to pave a walk around the borders of uniform width so as to leave an area of 96 m^2 for flowers. How wide should the walk be?

- A. 1 m B. 2 m C. 2.1 m D. 2.5 m
-

6. The area of the field ABGFEA (not drawn to scale) is



- A. 7225 m^2 B. 7230 m^2 C. 7235 m^2 D. 7240 m^2
-

7. The length and the breadth of a rectangular hall are 24 m and 15 m, respectively. What is the length of the largest straight line that can be drawn on the floor of the hall?

- A. 24 m B. 28 m C. 30 m D. 34 m
-

8. A beam 9 m long, 40 cm wide and 20 cm high is made up of iron which weighs 50 kg per cubic metre. The weight of the beam is

- A. 56 kg B. 48 kg C. 36 kg D. 27 kg
-

9. Find the area of square whose diagonals are of length 12 cm.

- A. 82 cm^2 B. 72 cm^2 C. 136 cm^2 D. 75 cm^2
-

10. The perimeter of floor of a rectangular hall is 250 m. If its height is 6 m, find the cost of painting its four walls at the rate of ₹ 20 per m^2

- A. ₹ 95000 B. ₹ 65000 C. ₹ 50000 D. ₹ 30000
-



scroll down for Answer key



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Answer Key

1. B
2. C
3. D
4. A
5. A
6. B
7. C
8. C
9. A
10. A



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