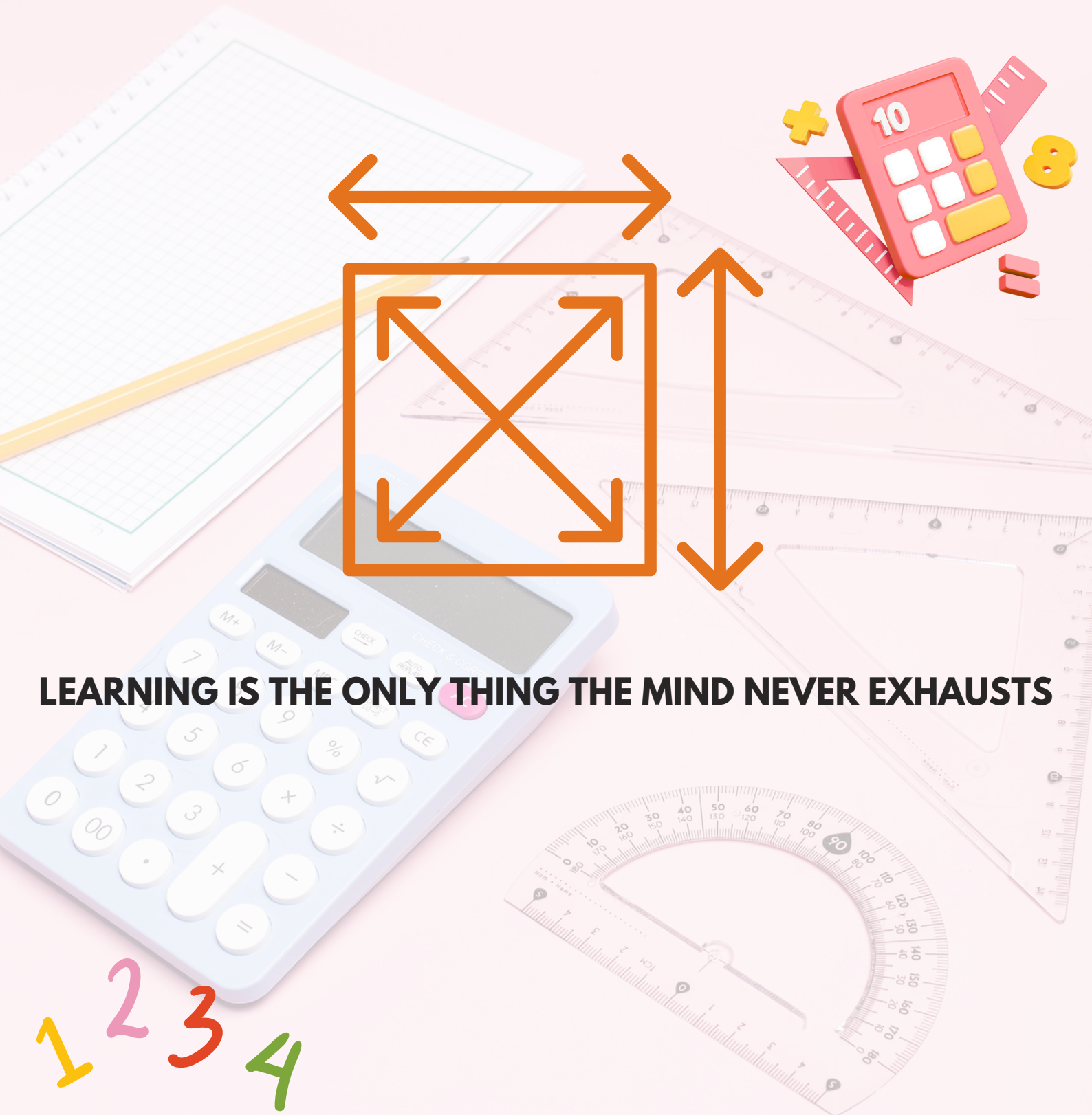




PERIMETER & AREA

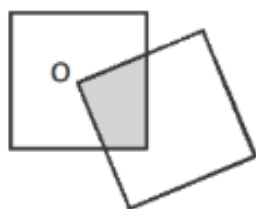
Worksheet 4



1. The length of a rectangle exceeds its breadth by 9 cm. If the length and breadth are each increased by 3 cm, the area of the new rectangle will be 84 cm^2 more than that of the given rectangle. Find the length of the given rectangle.

- A. 9 cm B. 13 cm C. 17 cm D. 19 cm
-

2. Shown below are two congruent squares of 24 cm^2 area each. If 'O' is the centre of one square, then the area of shaded region is_____



- A. 18 cm^2 B. 12 cm^2 C. 6 cm^2 D. 8 cm^2
-

3. Find the cost of painting the four walls of a room 10 metres long, 5 metres broad and 6 metres high at the cost of ₹ 4 per square metre.

- A. ₹ 720 B. ₹ 880 C. ₹ 360 D. ₹ 1200
-

4. The volume of a cubical box is 13.824 cubic metres. Find the length of each side of the box.

- A. 2.4 m B. 2.6 m C. 1.4 m D. 1.6 m
-

5. the sides of a rectangular park are in the ratio 4 : 3. If its area is 1728 m^2 , find the cost of fencing it at ₹ 2.5. per metre.

- A. ₹ 420 B. ₹ 40 C. ₹ 480 D. ₹ 490
-

6. The height of two cylinders are in the ratio of 3 : 1. If the volumes of two cylinders be same, find the ratio of their respective radii.

- A. 1 : 2 B. 1 : 3 C. $1 : \sqrt{3}$ D. $\sqrt{3} : 1$
-

7. The length of a rectangle is 3 times it breadth. If the length is decreased by 3 cm and the the breadth increased by 5cm, the area of the rectangle is increased by 57 cm^2 . The perimeter of the rectangle is

- A. 18 cm B. 48 cm C. 24 cm D. 20 cm
-

8. The edges of a cuboid are in the ratio of 3 : 2 : 1 and its surface area is 88 cm^2 . The lateral surface area of the cuboid is_____

- A. 40 cm^2 B. 64 cm^2 C. 88 cm^2 D. 30 cm^2
-



scroll down for Answer key

9. A wire in the form of a rectangle 18.7 cm long and 14.3 cm wide is reshaped and bent into the form of a circle, Find the radius of the circle so formed.

- A. 7 cm B. $\frac{21}{2}$ C. 14 cm D. 21 cm
-

10. Find the area of a rectangular plot, one side is 35 metres and the diagonal is 37 metres.

- A. 280 m² B. 350 m² C. 360 m² D. 420 m²
-



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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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