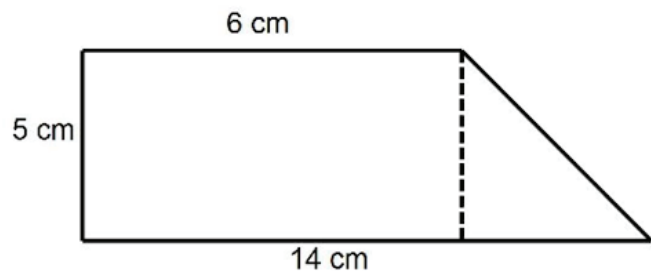




EXTRA QUESTIONS

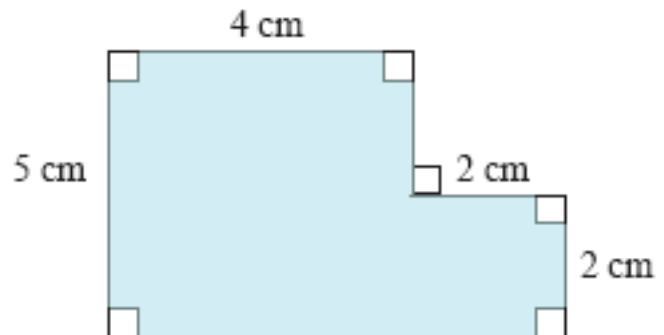
Q1. Find the total area of the given shape.

- a. 50 cm^2
- b. 55 cm^2
- c. 52 cm^2
- d. 70 cm^2



Q2. Find the total area of the given shape.

- a. 24 cm^2
- b. 25 cm^2
- c. 35 cm^2
- d. 121 cm^2



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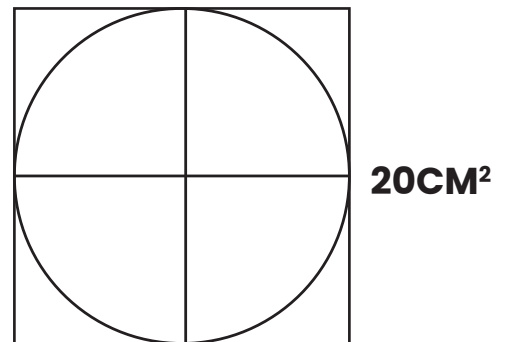
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EXTRA QUESTIONS

Q3. Find the area of a circle inscribed in a square of side 20cm. [Take $\pi = 3.14$]

- a. 300 cm^2
- b. 310 cm^2
- c. 314 cm^2
- d. 315 cm^2



Q4. A circular wire has circumference 124cm. The wire is fenced around a square ground. Find the side of that square ground.

- a. 36 cm
- b. 32 cm
- c. 31 cm
- d. 40 cm

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EXTRA QUESTIONS

Q5. A circle and a rectangle have equal areas. The area of circle is 100 cm^2 . Find the breadth of the rectangle , if length of the rectangle is 20 cm.

- a. 20 cm
- b. 5 cm
- c. 15 cm
- d. 10 cm

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MATCH THE ANSWERS

1.

Ans) Area of the given shape = Area of rectangle + Area of right triangle

$$= (\text{length} \times \text{breadth}) + \left(\frac{1}{2} \times \text{Base} \times \text{Height}\right)$$

$$= (5 \times 6) + \left(\frac{1}{2} \times 8 \times 5\right)$$

$$= 30 + 20$$

$$= 50 \text{ cm}^2$$

So, Option (a) is correct.

2.

Ans) Area of the given shape = Area of Rectangle + Area of square

$$= (l \times b) + (\text{side}^2)$$

$$= (5 \times 4) + (2^2)$$

$$= 20 + 4 = 24 \text{ cm}^2$$

So, Option (a) is correct.

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MATCH THE ANSWERS

3.

Ans) As We can see,

Diameter of a circle = Side of square

Diameter = 20 cm

$$r = \frac{\text{Diameter}}{2} = \frac{20}{2} = 10 \text{ cm}$$

$$\text{Area of circle} = \pi r^2 = 3.14 \times 10 \times 10 = 314 \text{ cm}^2$$

So, Option (c) is correct.

4.

Ans) Perimeter of square = Circumference of circular wire

$$4 \times \text{side} = 124$$

$$\text{Side} = \frac{124}{4} = 31 \text{ cm}$$

So, Option (c) is correct.

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MATCH THE ANSWERS

5.

Ans) Area of rectangle = Area of circle

$$l \times b = 100\text{cm}^2$$

$$20 \text{ cm} \times b = 100 \text{ cm}^2$$

$$b = 100/20$$

$$b = 5 \text{ cm}$$

So, Option (b) is correct.

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