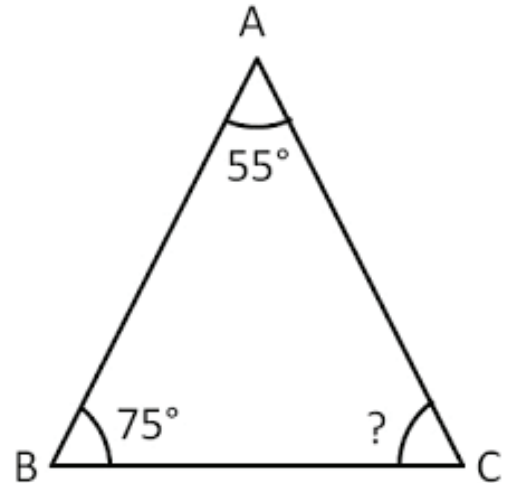




AREA AND PERIMETER

Q1. In the given figure, find angle c.

- a. 50°
- b. 55°
- c. 60°
- d. 54°



Q2. Find the area of right angle triangle that has base of 7 cm and height of 12 cm.

- a. 36 cm^2
- b. 42 cm^2
- c. 45 cm^2
- d. 50 cm^2

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AREA AND PERIMETER

Q3. A pizza has a diameter of 14 cm. Find the area of pizza.

- a. 140 cm^2
- b. 150 cm^2
- c. 154 cm^2
- d. 145 cm^2

Q4. The diameter of a pizza is 14 cm. If $\frac{1}{2}$ part of the pizza has been removed then find the area of the remaining part.

- a. 77 cm^2
- b. 60 cm^2
- c. 67 cm^2
- d. 62 cm^2

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AREA AND PERIMETER

Q5. Find the area of a circular garden whose perimeter is 44 cm.

- a. 140 cm^2
- b. 154 cm^2
- c. 150 cm^2
- d. 149 cm^2

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MATCH THE ANSWERS

1.

Ans) $A+B+C=180^\circ$

$$55^\circ + 75^\circ + C = 180^\circ$$

$$C = 180^\circ - 130^\circ$$

$$C = 50^\circ$$

So, Option (b) is correct.

2.

Ans) Area of right triangle = $\frac{1}{2} \times b \times h$

$$= \frac{1}{2} \times 7 \times 12$$

$$= 42 \text{ cm}^2$$

So, Option (b) is correct.

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MATCH THE ANSWERS

3.

$$\text{Ans) } r = \frac{\text{diameter}}{2} = \frac{14}{2} = 7 \text{ cm}$$

$$\text{Area of pizza} = \pi \times r \times r = \frac{22}{7} \times 7 \times 7 = 154 \text{ cm}^2$$

So, Option (c) is correct.

4.

$$\text{Ans) } r = \frac{\text{diameter}}{2} = \frac{14}{2} = 7 \text{ cm}$$

$$\text{Area of } \frac{1}{2} \text{ pizza} = \frac{1}{2} \times \pi \times r \times r = \frac{1}{2} \times \frac{22}{7} \times 7 \times 7 = 77 \text{ cm}^2$$

So, Option (a) is correct.

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MATCH THE ANSWERS

5.

Ans) Perimeter of circle = $2\pi r$

$$2\pi r = 44$$

$$2 \times \frac{22}{7} \times r = 44$$

$$r = \frac{44 \times 7}{22 \times 2} = 7 \text{ cm}$$

Area of garden = πr^2

$$= \frac{22}{7} \times 7 \times 7 = 154 \text{ cm}^2$$

So, Option (b) is correct.

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