

Q1. In a circle, a central angle intercepts an arc that measures 120 degrees. If another central angle intercepts an arc that measures 40 degrees, what is the ratio of the length of arcs made by the first angle to that of the second angle?

- A. 1:3
- B. 2:1
- C. 3:1
- D. 4:1

Q2. In a rectangle, what is the relationship between opposite sides?

- A. They are intersecting.
- B. They are perpendicular.
- C. They are parallel.
- D. They are neither intersecting nor parallel.

Q3. John has a rectangular garden with a length of 10 meters and a width of 5 meters. What is the perimeter of the garden?

- A. 15 m
- B. 25 m
- C. 30 m
- D. 50 m

Q4. A line segment AB is divided into two parts at point C such that $AC:CB = 2:3$. If the length of AB is 30 cm, what is the length of AC?

- A. 6 cm
- B. 12 cm
- C. 14 cm
- D. 18 cm

Q5. Emily wants to build a rectangular fence around a garden that is 13 meters long and 9 meters wide. How much fencing material does she need if she wants to leave a 2-meter gap at the entrance?

- A. 37 meters
- B. 42 meters
- C. 43 meters
- D. 46 meters

Q6. Michael folds a rectangular piece of paper in half to create a square. If the shorter side of the rectangle is 4 cm, what is the length of the longer side?

- A. 2 cm
- B. 4 cm
- C. 6 cm
- D. 8 cm

Q7. Which is not a true statement?

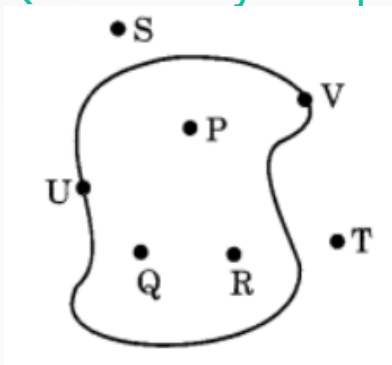
- A. A line has one endpoint
- B. A ray has one endpoint
- C. A line segment has two endpoints

D. An angle has one vertex

Q8. A circle has a radius of 7 cm. What is the circumference of the circle?

- A. 44 cm
- B. 46 cm
- C. 48 cm
- D. 50 cm

Q9. Identify the points that are in the interior.



- A. P, Q, and R
- B. V, T, and R
- C. S, P, and R
- D. U, P, and Q

Q10. What is the difference between a convex and a concave polygon?

- A. A convex polygon has all interior angles of less than 180° , while a concave polygon has at least one interior angle greater than 180° .
- B. A convex polygon has all interior angles of less than 180° , while a concave polygon has all interior angles of greater than 180° .
- C. Both are the same.
- D. None of the above.

Answer Sheet

Q1. C	Q2. C	Q3. C
Q4. B	Q5. B	Q6. D
Q7. A	Q8. A	Q9. A
Q10. A		

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