

## MCQs on Chapter 6: Measuring Space: Perimeter and Area Class 9 Maths

**Q1:** The perimeter of a square with side 12 cm is:

- (A) 24 cm
- (B) 36 cm
- (C) 48 cm
- (D) 144 cm

**Q2:** The perimeter of a rectangle with length 16 cm and breadth 9 cm is:

- (A) 25 cm
- (B) 40 cm
- (C) 50 cm
- (D) 144 cm

**Q3:** The circumference of a circle with radius 7 cm is:

- (A) 22 cm
- (B) 44 cm
- (C) 49 cm
- (D) 88 cm

**Q4:** The circumference of a circle is given by:

- (A)  $\pi r^2$
- (B)  $2\pi r$
- (C)  $l \times b$
- (D)  $1/2 bh$

**Q5:** The length of a semicircular arc of radius 14 cm is:

- (A) 22 cm
- (B) 44 cm

(C) 66 cm

(D) 88 cm

**Q6:** The length of a quarter-circle arc of radius 21 cm is:

(A) 22 cm

(B) 33 cm

(C) 44 cm

(D) 66 cm

**Q7:** The area of a rectangle with length 11 cm and breadth 8 cm is:

(A) 19 cm<sup>2</sup>

(B) 44 cm<sup>2</sup>

(C) 88 cm<sup>2</sup>

(D) 176 cm<sup>2</sup>

**Q8:** The area of a parallelogram with base 18 cm and height 7 cm is:

(A) 63 cm<sup>2</sup>

(B) 126 cm<sup>2</sup>

(C) 252 cm<sup>2</sup>

(D) 360 cm<sup>2</sup>

**Q9:** The area of a triangle with base 14 cm and height 10 cm is:

(A) 70 cm<sup>2</sup>

(B) 140 cm<sup>2</sup>

(C) 280 cm<sup>2</sup>

(D) 35 cm<sup>2</sup>

**Q10:** The semi-perimeter of a triangle with sides 6 cm, 8 cm, and 10 cm is:

(A) 12 cm

(B) 24 cm

(C) 18 cm

(D) 14 cm

**Q11:** Using Heron's formula, the area of a triangle with sides 3 cm, 4 cm, and 5 cm is:

- (A) 5 cm<sup>2</sup>
- (B) 6 cm<sup>2</sup>
- (C) 12 cm<sup>2</sup>
- (D) 24 cm<sup>2</sup>

**Q12:** A median of a triangle divides it into:

- (A) Congruent triangles
- (B) Similar triangles
- (C) Equal-area triangles
- (D) Right triangles

**Q13:** A quadrilateral whose vertices lie on the same circle is called:

- (A) Rhombus
- (B) Kite
- (C) Trapezium
- (D) Cyclic quadrilateral

**Q14:** Brahmagupta's formula is associated with:

- (A) Triangles
- (B) Circles
- (C) Cyclic quadrilaterals
- (D) Rectangles

**Q15:** The approximate value of  $\pi$  is:

- (A) 1.41
  - (B) 2.71
  - (C) 3.14
  - (D) 4.13
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**Answer Key**

1 - c, 2 - c, 3 - b, 4 - b, 5 - b, 6 - b, 7 - c, 8 - b, 9 - a, 10 - a, 11 - b, 12 - c, 13 - d, 14 - c, 15 - c

