

**BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.  
FEBRUARY ASSIGNMENT  
CLASS- VII (MATHEMATICS)  
CHAPTER : PERIMETER AND AREA ANSWER KEY**

**SECTION -A (MULTIPLE CHOICE QUESTIONS)**

1.	(a) Ratio of circumference to diameter
2.	(d) 24 cm
3.	a) both assertion and reason are correct and reason is correct explanation for assertion.

**SECTION - B( 2 MARKS QUESTIONS)**

4.	The radius and area of circular sheet are 24.5 m and 1886.5 m <sup>2</sup> respectively.
5.	Circumference=2πR=2×3.14×15 =314/100×30 =942/10=94.2cm

**SECTION - C (3 MARKS QUESTIONS)**

6.	The number of rotations =Total distance/Circumference
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**SECTION - D (5 MARKS QUESTIONS)**

8.	(Use suitable formulas) Radius of the circle: 28 cm Area of the circle: 28 sq cm Side of the square: 44 cm Area of the square: 1936 sq cm The circle encloses more area than the square
9.	Area of path = Area of bigger circle - Area of smaller circle = $\pi R^2 - \pi r^2 = \pi(R^2 - r^2)$ = $\pi[(37)^2 - (33)^2]$ = 3.14 [(37 + 33) (37 - 33)] = 3.14 x 70 x 4 = 879.20 m