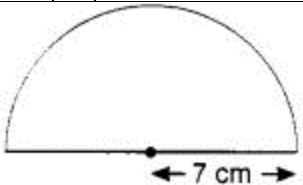
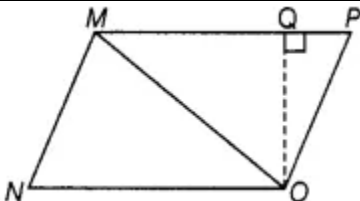


INDIAN SCHOOL AL WADI AL KABIR
Class VII, Mathematics Worksheet NO: 2
PERIMTER & AREA

OBJECTIVE TYPE (1 Mark)

Q.1.	The value of π is equal to							
	A	$\frac{\text{Area}}{\text{Circumference}}$	B	$\frac{\text{Area}}{\text{Diameter}}$	C	$\frac{\text{Circumference}}{\text{Diameter}}$	D	$\frac{\text{Circumference}}{\text{Radius}}$
Q.2.	The perimeter of the given figure is							
	A	27 cm	B	36 cm	C	26 cm	D	40 cm
Q.3.	The height of a parallelogram is 12 cm. If the area is 432sq.cm. The base of the parallelogram is							
	A	26 cm	B	25cm	C	28cm	D	36cm
Q.4.	The diameter of a circle of circumference 66cm							
	A	10.5cm	B	14cm	C	21cm	D	7cm
Q.5.	The area and circumference of a circle are numerically equal .Then radius is							
	A	2 units	B	4 units	C	1 unit	D	6 units
Q.6.	Area of ΔMNO in the figure is							
	A	$\frac{1}{2} MN \times NO$	B	$\frac{1}{2} NO \times MO$	C	$\frac{1}{2} MN \times OQ$	D	$\frac{1}{2} NO \times OQ$
Q.7.	The altitude of a triangle of area 72 cm ² and base 16cm							
	A	4.5cm	B	12 cm	C	18 cm	D	9cm
Q8.	Area of a circle with diameter (m), radius (n) and circumference (p) is							
	A	$2 \pi n$	B	πn^2	C	πp^2	D	πm^2
Q9	The area of right triangle with legs 12cm and 18cm is							
	A	108 cm ²	B	118 cm ²	C	98 cm ²	D	128 cm ²

Q10	Circumference of a circle is always							
	A	more than three times of its diameter	B	three times of its diameter	C	less than three times of its diameter	D	three times of its radius

SECTION B
Fill in the blanks (1) marks)

Q11.	Ratio of the circumference of a circle to its diameter is denoted by symbol_____.
Q12.	If area of a triangular piece of cardboard is 90 cm^2 , then the length of altitude corresponding to 20 cm long base is_____cm.
Q13.	1 hectare =_____ m^2
Q14.	1 square meter is _____ square cm.
Q15	The circumference of a circle of diameter 10 cm is _____

SECTION C(2 mark)

Q16	Find the area of parallelogram with base 12cm and altitude 11cm.
Q17	Circumference of a circle is 88cm. Find the radius of the circle.
Q18	Find the base of the triangle with area 91cm^2 and altitude 14cm.
Q19	Find the height of the parallelogram whose area is 210 cm^2 and base is 30 cm.
Q20	The area of a parallelogram is equal to the area of a square whose perimeter is 120m. If the height of the parallelogram is 20 m, find its corresponding base.

SECTION D (3& 4 MARKS)

Q21	A piece of wire of length 44cm bend in the form of a circle. Find the radius of the circle so formed .Also find its area.
Q22	There is a path of width 3m all around outside a rectangular field of length 50m and breadth 30m . (1) Find the area of the path. (2) Cost of constructing the path at the rate of ₹110 per sq.m
Q23	A rectangular plot of land 8m long and 6m wide .There is a flower bed in the form of a circle of radius 3m.Find (1)Area of land. (2) Area of flower bed. (3)Area of land excluding flower bed. (4)Cost of planting grass in land excluding flower bed at the rate of ₹ 6 per m^2 ($\pi =3.14$)

Q24	A circle of radius 4cm is cut from a rectangular aluminium sheet of dimensions 7cm x 9cm . Find the area of remaining sheet ($\pi = 3.14$)
Q25.	Two cross roads of width 5m each run at right angles through the centre of a rectangular field of length 75 m and breadth 45m. Find the area of cross roads. Also find the cost of levelling them at the rate of ₹8 per m ²

ANSWERS

1.	C	2.	B	3.	D	4.	C	5.	A
6.	D	7.	D	8.	B	9.	A	10.	A
11.	π	12.	9cm	13.	1000	14.	10000	15.	31.4cm
16.	132cm ²	17.	14 cm	18.	13 cm	19.	7 cm	20.	45 m
21.	7cm, 154 cm ²	22.	516m ² ₹56760	23.	48m ² 28.26m ² 19.74m ² ₹118.44	24.	12.76cm ²	25.	565 m ² ₹4520