

Solutions – Arc Length & Sector in Radians (A)

A sector of a circle has radius 6 cm and central angle 1.4 radians. Find the arc length.

8.4 cm

A sector of a circle has radius 9 cm and central angle 1.6 radians. Find the area of the sector.

64.8 cm²

A sector of a circle has radius 7 cm and central angle 0.1 radians. Find the area of the sector.

2.45 cm²

A sector of a circle has radius 10 cm and central angle 2.1 radians. Find the arc length.

21 cm

A sector of a circle has radius 5 cm and central angle 0.5 radians. Find the area of the sector.

6.25 cm²

Solutions – Arc Length & Sector in Radians (B)

A sector of a circle has radius 5 cm and central angle 1.5 radians. Find the area of the sector.

18.75 cm²

A sector of a circle has radius 3 cm and central angle 2.1 radians. Find the arc length.

6.3 cm

A sector of a circle has radius 4 cm and central angle 0.8 radians. Find the arc length.

3.2 cm

A sector of a circle has radius 9 cm and central angle 0.3 radians. Find the arc length.

2.7 cm

A sector of a circle has radius 10 cm and central angle 2 radians. Find the area of the sector.

100 cm²

Solutions – Arc Length & Sector in Radians (C)

A sector of a circle has radius 9 cm and central angle 1.6 radians. Find the area of the sector.

64.8 cm²

A sector of a circle has radius 4 cm and central angle 2.9 radians. Find the area of the sector.

23.2 cm²

A sector of a circle has radius 8 cm and central angle 0.9 radians. Find the arc length.

7.2 cm

A sector of a circle has radius 3 cm and central angle 0.8 radians. Find the area of the sector.

3.6 cm²

A sector of a circle has radius 5 cm and central angle 1.2 radians. Find the arc length.

6 cm

Solutions – Arc Length & Sector in Radians (D)

A sector of a circle has radius 9 cm and central angle 2.3 radians. Find the arc length.

20.7 cm

A sector of a circle has radius 10 cm and central angle 0.3 radians. Find the area of the sector.

15 cm²

A sector of a circle has radius 6 cm and central angle 0.8 radians. Find the area of the sector.

14.4 cm²

A sector of a circle has radius 4 cm and central angle 1.9 radians. Find the area of the sector.

15.2 cm²

A sector of a circle has radius 7 cm and central angle 1.5 radians. Find the arc length.

10.5 cm

Solutions – Arc Length & Sector in Radians (E)

A sector of a circle has radius 5 cm and central angle 0.8 radians. Find the area of the sector.

10 cm²

A sector of a circle has radius 10 cm and central angle 1.8 radians. Find the arc length.

18 cm

A sector of a circle has radius 4 cm and central angle 2.4 radians. Find the area of the sector.

19.2 cm²

A sector of a circle has radius 7 cm and central angle 0.7 radians. Find the arc length.

4.9 cm

A sector of a circle has radius 6 cm and central angle 1.2 radians. Find the area of the sector.

21.6 cm²

Solutions – Arc Length & Sector in Radians (F)

A sector of a circle has radius 10 cm and central angle 0.7 radians. Find the arc length.

7 cm

A sector of a circle has radius 4 cm and central angle 0.4 radians. Find the area of the sector.

3.2 cm²

A sector of a circle has radius 7 cm and central angle 1.8 radians. Find the area of the sector.

44.1 cm²

A sector of a circle has radius 6 cm and central angle 2.6 radians. Find the arc length.

15.6 cm

A sector of a circle has radius 9 cm and central angle 2 radians. Find the area of the sector.

81 cm²

Solutions – Arc Length & Sector in Radians (G)

A sector of a circle has radius 5 cm and central angle 1.3 radians. Find the arc length.

6.5 cm

A sector of a circle has radius 4 cm and central angle 0.4 radians. Find the arc length.

1.6 cm

A sector of a circle has radius 7 cm and central angle 0.2 radians. Find the area of the sector.

4.9 cm²

A sector of a circle has radius 10 cm and central angle 1.4 radians. Find the area of the sector.

70 cm²

A sector of a circle has radius 3 cm and central angle 2.6 radians. Find the area of the sector.

11.7 cm²

Solutions – Arc Length & Sector in Radians (H)

A sector of a circle has radius 8 cm and central angle 3 radians. Find the area of the sector.

96 cm²

A sector of a circle has radius 9 cm and central angle 1 radians. Find the area of the sector.

40.5 cm²

A sector of a circle has radius 10 cm and central angle 1.3 radians. Find the arc length.

13 cm

A sector of a circle has radius 5 cm and central angle 1.5 radians. Find the arc length.

7.5 cm

A sector of a circle has radius 6 cm and central angle 0.4 radians. Find the arc length.

2.4 cm

Solutions – Arc Length & Sector in Radians (I)

A sector of a circle has radius 5 cm and central angle 1.3 radians. Find the arc length.

6.5 cm

A sector of a circle has radius 3 cm and central angle 0.5 radians. Find the arc length.

1.5 cm

A sector of a circle has radius 9 cm and central angle 1.1 radians. Find the area of the sector.

44.55 cm²

A sector of a circle has radius 10 cm and central angle 2.7 radians. Find the arc length.

27 cm

A sector of a circle has radius 6 cm and central angle 0.2 radians. Find the area of the sector.

3.6 cm²

Solutions – Arc Length & Sector in Radians (J)

A sector of a circle has radius 6 cm and central angle 2.1 radians. Find the area of the sector.

37.8 cm²

A sector of a circle has radius 3 cm and central angle 0.6 radians. Find the arc length.

1.8 cm

A sector of a circle has radius 5 cm and central angle 0.3 radians. Find the arc length.

1.5 cm

A sector of a circle has radius 10 cm and central angle 1.9 radians. Find the area of the sector.

95 cm²

A sector of a circle has radius 9 cm and central angle 2 radians. Find the area of the sector.

81 cm²