

Solutions – Arc Length & Sector with Radians (A)

A sector has radius 6 cm and angle 2.1 radians. Find the arc length.

12.6 cm

A sector has radius 17 cm and angle 0.4 radians. Find the area of the sector.

57.8 cm²

A sector has radius 11 cm and angle 2.3 radians. Find the arc length.

25.3 cm

A sector has radius 6 cm and angle 1.3 radians. Find the arc length.

7.8 cm

A sector has radius 19 cm and angle 1.9 radians. Find the area of the sector.

342.9 cm²

Solutions – Arc Length & Sector with Radians (B)

A sector has radius 4 cm and angle 1.5 radians. Find the area of the sector.

12 cm²

A sector has radius 13 cm and angle 2.2 radians. Find the area of the sector.

185.9 cm²

A sector has radius 3 cm and angle 1.4 radians. Find the arc length.

4.2 cm

A sector has radius 17 cm and angle 1.0 radians. Find the arc length.

17 cm

A sector has radius 12 cm and angle 1.2 radians. Find the arc length.

14.4 cm

Solutions – Arc Length & Sector with Radians (C)

A sector has radius 18 cm and angle 0.3 radians. Find the arc length.

5.4 cm

A sector has radius 4 cm and angle 1.5 radians. Find the area of the sector.

12 cm²

A sector has radius 15 cm and angle 0.5 radians. Find the arc length.

7.5 cm

A sector has radius 12 cm and angle 1.1 radians. Find the area of the sector.

79.2 cm²

A sector has radius 18 cm and angle 0.2 radians. Find the arc length.

3.6 cm

Solutions – Arc Length & Sector with Radians (D)

A sector has radius 13 cm and angle 2.4 radians. Find the arc length.
31.2 cm

A sector has radius 4 cm and angle 1.1 radians. Find the arc length.
4.4 cm

A sector has radius 14 cm and angle 1.9 radians. Find the arc length.
26.6 cm

A sector has radius 18 cm and angle 1.2 radians. Find the area of the sector.

194.4 cm²

A sector has radius 9 cm and angle 0.5 radians. Find the area of the sector.

20.2 cm²

Solutions – Arc Length & Sector with Radians (E)

A sector has radius 10 cm and angle 2.5 radians. Find the area of the sector.

125 cm²

A sector has radius 6 cm and angle 2.5 radians. Find the arc length.

15 cm

A sector has radius 19 cm and angle 2.9 radians. Find the area of the sector.

523.4 cm²

A sector has radius 9 cm and angle 1.7 radians. Find the arc length.

15.3 cm

A sector has radius 5 cm and angle 2.3 radians. Find the arc length.

11.5 cm

Solutions – Arc Length & Sector with Radians (F)

A sector has radius 6 cm and angle 0.4 radians. Find the arc length.

2.4 cm

A sector has radius 4 cm and angle 1.8 radians. Find the arc length.

7.2 cm

A sector has radius 5 cm and angle 1.8 radians. Find the area of the sector.

22.5 cm²

A sector has radius 16 cm and angle 2.5 radians. Find the area of the sector.

320 cm²

A sector has radius 6 cm and angle 0.5 radians. Find the arc length.

3 cm

Solutions – Arc Length & Sector with Radians (G)

A sector has radius 7 cm and angle 1.1 radians. Find the area of the sector.

27 cm²

A sector has radius 11 cm and angle 1.9 radians. Find the arc length.

20.9 cm

A sector has radius 14 cm and angle 0.6 radians. Find the area of the sector.

58.8 cm²

A sector has radius 9 cm and angle 2.9 radians. Find the arc length.

26.1 cm

A sector has radius 19 cm and angle 0.3 radians. Find the arc length.

5.7 cm

Solutions – Arc Length & Sector with Radians (H)

A sector has radius 3 cm and angle 2.3 radians. Find the area of the sector.

10.3 cm²

A sector has radius 15 cm and angle 2.5 radians. Find the arc length.

37.5 cm

A sector has radius 14 cm and angle 1.6 radians. Find the arc length.

22.4 cm

A sector has radius 7 cm and angle 0.4 radians. Find the arc length.

2.8 cm

A sector has radius 11 cm and angle 2.8 radians. Find the area of the sector.

169.4 cm²

Solutions – Arc Length & Sector with Radians (I)

A sector has radius 13 cm and angle 1.0 radians. Find the arc length.

13 cm

A sector has radius 18 cm and angle 2.0 radians. Find the area of the sector.

324 cm²

A sector has radius 17 cm and angle 0.7 radians. Find the area of the sector.

101.1 cm²

A sector has radius 12 cm and angle 2.6 radians. Find the arc length.

31.2 cm

A sector has radius 14 cm and angle 1.1 radians. Find the arc length.

15.4 cm

Solutions – Arc Length & Sector with Radians (J)

A sector has radius 14 cm and angle 2.6 radians. Find the arc length.

36.4 cm

A sector has radius 5 cm and angle 1.9 radians. Find the arc length.

9.5 cm

A sector has radius 20 cm and angle 1.5 radians. Find the area of the sector.

300 cm²

A sector has radius 17 cm and angle 2.8 radians. Find the area of the sector.

404.6 cm²

A sector has radius 8 cm and angle 0.6 radians. Find the arc length.

4.8 cm