

14. Area of Surface

Q. ID: ITISKILL7144YO

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Answer Key

Duration: 30 Mins

Total Marks: 22

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1. What is the name of the region of a circle between any two point on the circumference?

- A) Sector
C) Arc
- B) Chord
D) Segment

Answer: D) Segment

2. What is the radius of a circle whose diameter is 44 cm?

- A) 44 cm
C) 20 cm
- B) 22 cm
D) 23 cm

Answer: B) 22 cm

3. What is the length of arc of a sector, whose perimeter is 64.8cm and radius is 12.4 cm?

- A) 42 cm
C) 40.8 cm
- B) 40 cm
D) 45 cm

Answer: B) 40 cm

4. What is the diameter of the circle, if the area of the circle is 706.5cm^2 ?

- A) 29 cm
C) 29.5 cm
- B) 30.5 cm
D) 30 cm

Answer: D) 30 cm

5. What is the radius of the circle, whose circumference is 440 cm?

- A) 71.5 cm
C) 70 cm
- B) 72.2 cm
D) 70.5 cm

Answer: C) 70 cm

6. What is the diameter of the semicircle, if the circumference of the semicircle is 21.98 cm?

- A) 8 cm
C) 7.55 cm
- B) 8.55 cm
D) 7 cm

Answer: B) 8.55 cm

7. What is the radius of the semicircle, if the circumference of the semicircle is 28.26 cm?

- A) 5.49 cm
C) 8.75 cm
- B) 6.49 cm
D) 8.5 cm

Answer: A) 5.49 cm

8. What is the diameter of the circle, if the area of the circle is 78.5cm^2 ?

- A) 5 cm
C) 10 cm
- B) 5.5 cm
D) 15 cm

Answer: C) 10 cm

9. What is the name called biggest chord of the circle?

- A) Diagonal
C) Diameter
- B) Arc
D) Radius

Answer: C) Diameter

10. What is the length of arc of the sector whose radius is 15 cm and the intended angle is 30 Degree?

- A) 7.85 cm
C) 7.25 cm
- B) 6.75 cm
D) 6.85 cm

Answer: A) 7.85 cm

11. What is the area of the sector, whose diameter is 40 mm and angle is 120 Degree?

- A) 415.5 mm^2
C) 400.50 mm^2
- B) 418.66 mm^2
D) 416.6 mm^2

Answer: B) 418.66 mm^2

12. What is the diameter of the circle, if the circumference is 31.4 cm?

- A) 5 cm
C) 8.5 cm
- B) 8 cm
D) 10 cm

Answer: D) 10 cm

13. What is the area of a circular surface if the radius is 14 cm?

- A) 612.25 cm^2
C) 612.44 cm^2
- B) 615.44 cm^2
D) 614.5 cm^2

Answer: B) 615.44 cm^2

14. What is the area of the circle if the radius is 10 cm?

- A) 314 cm^2
C) 30.4 cm^2
- B) 31.4 cm^2
D) 3.14 cm^2

Answer: A) 314 cm^2

15. What is the area of the circle, if the circumference of the circle is 44cm?

- A) 154 cm^2
C) 130 cm^2
- B) 129 cm^2
D) 128 cm^2

Answer: A) 154 cm^2

16. What is the length of arc of a sector, whose radius is 15 cm and angle is 40 Degree?

A) 9.75 cm

B) 10.60 cm

C) 9.8 cm

D) 10.4 cm

Answer: D) 10.4 cm

17. What is the length of arc of a sector whose radius is 3.6 cm and angle is 36 Degree?

A) 22.6 cm

B) 21.0 cm

C) 2.26 cm

D) 2.10 cm

Answer: C) 2.26 cm

18. What is the area of the semicircle, if the diameter is 14 cm?

A) 75.06 cm² B) 76.93 cm²

C) 86.93 cm² D) 70 cm²

Answer: B) 76.93 cm²

19. What is the circumference of a circle whose diameter is 7 cm?

A) 22 cm

B) 25 cm

C) 44 cm

D) 21 cm

Answer: A) 22 cm

20. What is the area of the sector, if the diameter is 12 cm and the angle is 60 Degree?

A) 17.75 cm² B) 18.84 cm²

C) 18.0 cm² D) 19.00 cm²

Answer: B) 18.84 cm²

21. What is the radius of the circle if the angle of sector is 90 Degree and the area of the circle is 196 cm²?

A) 15 cm

B) 14.95 cm

C) 15.77 cm

D) 14.85 cm

Answer: C) 15.77 cm

22. What is the area of the circle, whose diameter is 50 cm?

A) 1900 cm² B) 1962.5 cm²

C) 1960 cm² D) 1950 cm²

Answer: B) 1962.5 cm²