

14. Area of Surface

Q. ID: ITISKILL0926YH

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Answer Key

Duration: 30 Mins

Total Marks: 22

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

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

Answer: A) 40 cm

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

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

Answer: D) Segment

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

- A) 418.66 mm² B) 415.5 mm²
C) 416.6 mm² D) 400.50 mm²

Answer: A) 418.66 mm²

4. 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) 14.85 cm
C) 14.95 cm D) 15.77 cm

Answer: D) 15.77 cm

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

- A) 30.4 cm² B) 31.4 cm²
C) 3.14 cm² D) 314 cm²

Answer: D) 314 cm²

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

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

Answer: D) 5.49 cm

7. What is the diameter of the circle, if the area of the circle is 706.5cm²?

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

Answer: D) 30 cm

8. What is the diameter of the circle, if the area of the circle is 78.5cm²?

- A) 15 cm B) 10 cm

- C) 5.5 cm D) 5 cm

Answer: B) 10 cm

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

- A) 2.26 cm B) 2.10 cm
C) 21.0 cm D) 22.6 cm

Answer: A) 2.26 cm

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

- A) 154 cm² B) 128 cm²
C) 129 cm² D) 130 cm²

Answer: A) 154 cm²

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

- A) 75.06 cm² B) 70 cm²
C) 76.93 cm² D) 86.93 cm²

Answer: C) 76.93 cm²

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

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

Answer: B) 8.55 cm

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

- A) 612.25 cm² B) 614.5 cm²
C) 612.44 cm² D) 615.44 cm²

Answer: D) 615.44 cm²

14. 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 B) 6.75 cm
C) 7.25 cm D) 6.85 cm

Answer: A) 7.85 cm

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

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

Answer: A) 22 cm

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

- A) 1960 cm² B) 1900 cm²
C) 1950 cm² D) 1962.5 cm²

Answer: D) 1962.5 cm²

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

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

Answer: D) 10 cm

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

- A) 18.0 cm² B) 17.75 cm²
C) 18.84 cm² D) 19.00 cm²

Answer: C) 18.84 cm²

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

- A) 70.5 cm B) 71.5 cm

- C) 70 cm D) 72.2 cm

Answer: C) 70 cm

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

- A) 10.60 cm B) 10.4 cm
C) 9.75 cm D) 9.8 cm

Answer: B) 10.4 cm

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

- A) 25 cm B) 44 cm
C) 21 cm D) 22 cm

Answer: D) 22 cm

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

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

Answer: A) Diameter