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PREMGENIE.JPG .jpg

**Solve: Find the missing values.**

1. Radius: 3  
Surface Area: \_\_\_\_\_  
Volume: \_\_\_\_\_
2. Radius: 4  
Surface Area: \_\_\_\_\_  
Volume: \_\_\_\_\_
3. Radius: \_\_\_\_\_  
Surface Area: \_\_\_\_\_  
Volume: 2,143.57
4. Radius: \_\_\_\_\_  
Surface Area: 3,215.36  
Volume: \_\_\_\_\_
5. Radius: \_\_\_\_\_  
Surface Area: 3,629.84  
Volume: \_\_\_\_\_
6. Radius: \_\_\_\_\_  
Surface Area: 5,024.0  
Volume: \_\_\_\_\_
7. Radius: \_\_\_\_\_  
Surface Area: \_\_\_\_\_  
Volume: 57,876.48
8. Radius: \_\_\_\_\_  
Surface Area: 8,490.56  
Volume: \_\_\_\_\_

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9. Radius: \_\_\_\_\_  
Surface Area: 9,156.24  
Volume: \_\_\_\_\_

10. Radius: \_\_\_\_\_  
Surface Area: 12,070.16  
Volume: \_\_\_\_\_

11. Radius: \_\_\_\_\_  
Surface Area: \_\_\_\_\_  
Volume: 137,188.69

12. Radius: \_\_\_\_\_  
Surface Area: \_\_\_\_\_  
Volume: 150,456.24

13. Radius: 35  
Surface Area: \_\_\_\_\_  
Volume: \_\_\_\_\_

14. Radius: \_\_\_\_\_  
Surface Area: 17,194.64  
Volume: \_\_\_\_\_

15. Radius: 39  
Surface Area: \_\_\_\_\_  
Volume: \_\_\_\_\_

16. Radius: \_\_\_\_\_  
Surface Area: \_\_\_\_\_  
Volume: 267,946.67

17. Radius: \_\_\_\_\_  
Surface Area: \_\_\_\_\_  
Volume: 288,549.25

18. Radius: \_\_\_\_\_  
Surface Area: 23,223.44  
Volume: \_\_\_\_\_

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19. Radius: \_\_\_\_\_  
Surface Area: 25,434.0  
Volume: \_\_\_\_\_

20. Radius: 49  
Surface Area: \_\_\_\_\_  
Volume: \_\_\_\_\_

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## Answer Key

1. Volume : 113.04  
Surface Area : 113.04
2. Volume : 267.95  
Surface Area : 200.96
3. Radius : 8  
Surface Area : 803.84
4. Radius : 16  
Volume : 17,148.59
5. Radius : 17  
Volume : 20,569.09
6. Radius : 20  
Volume : 33,493.33
7. Radius : 24  
Surface Area : 7,234.56
8. Radius : 26  
Volume : 73,584.85
9. Radius : 27  
Volume : 82,406.16
10. Volume : 124,724.99  
Radius : 31
11. Surface Area : 12,861.44  
Radius : 32
12. Radius : 33  
Surface Area : 13,677.84

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13. Volume : 179,503.33  
Surface Area : 15,386.0

14. Radius : 37  
Volume : 212,067.23

15. Volume : 248,348.88  
Surface Area : 19,103.76

16. Surface Area : 20,096.0  
Radius : 40

17. Surface Area : 21,113.36  
Radius : 41

18. Volume : 332,869.31  
Radius : 43

19. Radius : 45  
Volume : 381,510.0

20. Volume : 492,557.15  
Surface Area : 30,156.56