

Name: _____

Date: _____

Volume of Cylinders

Grades 6 – 8 • 50 questions • Show your work

1. A cylinder has a radius of 3 cm and a height of 10 cm. Find its **volume** in terms of π . _____
 2. A cylinder has a radius of 7 cm and a height of 9 cm. Find its **volume** in terms of π . _____
 3. A cylinder has a radius of 7 cm and a height of 3 cm. Find its **volume** in terms of π . _____
 4. A cylinder has a radius of 3 cm and a height of 4 cm. Find its **volume** in terms of π . _____
 5. A cylinder has a diameter of 14 cm and a height of 4 cm. Find its **volume** in terms of π . _____
 6. A cylinder has a radius of 7 cm and a height of 6 cm. Find its **volume** in terms of π . _____
 7. A cylinder has a diameter of 4 cm and a height of 7 cm. Find its **volume** in terms of π . _____
 8. A cylinder has a diameter of 6 cm and a height of 10 cm. Find its **volume** in terms of π . _____
 9. A cylinder has a diameter of 12 cm and a height of 6 cm. Find its **volume** in terms of π . _____
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10. A cylinder has a diameter of 6 cm and a height of 7 cm. Find its **volume** in terms of π . _____
11. A cylinder has a radius of 7 cm and a height of 8 cm. Find its **volume** in terms of π . _____
12. A cylinder has a radius of 3 cm and a height of 3 cm. Find its **volume** in terms of π . _____
13. A cylinder has a radius of 6 cm and a height of 8 cm. Find its **volume** in terms of π . _____
14. A cylinder has a diameter of 12 cm and a height of 7 cm. Find its **volume** in terms of π . _____
15. A cylinder has a radius of 2 cm and a height of 9 cm. Find its **volume** in terms of π . _____
16. A cylinder has a diameter of 6 cm and a height of 5 cm. Find its **volume** in terms of π . _____
17. A cylinder has a radius of 2 cm and a height of 8 cm. Find its **volume** in terms of π . _____
18. A cylinder has a diameter of 10 cm and a height of 5 cm. Find its **volume** in terms of π . _____
19. A cylinder has a radius of 6 cm and a height of 10 cm. Find its **volume** in terms of π . _____
20. A cylinder has a radius of 4 cm and a height of 9 cm. Find its **volume** in terms of π . _____
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- 21.** A cylinder has a diameter of 4 cm and a height of 4 cm. Find its **volume** in terms of π . _____
- 22.** A cylinder has a radius of 8 cm and a height of 6 cm. Find its **volume** in terms of π . _____
- 23.** A cylinder has a diameter of 12 cm and a height of 4 cm. Find its **volume** in terms of π . _____
- 24.** A cylinder has a diameter of 10 cm and a height of 6 cm. Find its **volume** in terms of π . _____
- 25.** A cylinder has a diameter of 12 cm and a height of 8 cm. Find its **volume** in terms of π . _____
- 26.** A cylinder has a radius of 7 cm and a height of 7 cm. Find its **volume** in terms of π . _____
- 27.** A cylinder has a diameter of 4 cm and a height of 5 cm. Find its **volume** in terms of π . _____
- 28.** A cylinder has a diameter of 8 cm and a height of 7 cm. Find its **volume** in terms of π . _____
- 29.** A cylinder has a radius of 5 cm and a height of 10 cm. Find its **volume** in terms of π . _____
- 30.** A cylinder has a radius of 8 cm and a height of 3 cm. Find its **volume** in terms of π . _____
- 31.** A cylinder has a diameter of 16 cm and a height of 5 cm. Find its **volume** in
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- 32.** A cylinder has a diameter of 8 cm and a height of 10 cm. Find its **volume** in terms of π . _____
- 33.** A cylinder has a diameter of 14 cm and a height of 8 cm. Find its **volume** in terms of π . _____
- 34.** A cylinder has a diameter of 12 cm and a height of 3 cm. Find its **volume** in terms of π . _____
- 35.** A cylinder has a radius of 4 cm and a height of 2 cm. Find its **volume** in terms of π . _____
- 36.** A cylinder has a radius of 2 cm and a height of 10 cm. Find its **volume** in terms of π . _____
- 37.** A cylinder has a radius of 4 cm and a height of 8 cm. Find its **volume** in terms of π . _____
- 38.** A cylinder has a diameter of 14 cm and a height of 5 cm. Find its **volume** in terms of π . _____
- 39.** A cylinder has a radius of 4 cm and a height of 5 cm. Find its **volume** in terms of π . _____
- 40.** A cylinder has a radius of 2 cm and a height of 6 cm. Find its **volume** in terms of π . _____
- 41.** A cylinder has a radius of 2 cm and a height of 5 cm. Find its **volume** in terms of π . _____
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- 42.** A cylinder has a diameter of 10 cm and a height of 3 cm. Find its **volume** in terms of π . _____
- 43.** A cylinder has a radius of 8 cm and a height of 5 cm. Find its **volume** in terms of π . _____
- 44.** A cylinder has a diameter of 8 cm and a height of 4 cm. Find its **volume** in terms of π . _____
- 45.** A cylinder has a radius of 5 cm and a height of 8 cm. Find its **volume** in terms of π . _____
- 46.** A cylinder has a diameter of 16 cm and a height of 8 cm. Find its **volume** in terms of π . _____
- 47.** A cylinder has a diameter of 10 cm and a height of 8 cm. Find its **volume** in terms of π . _____
- 48.** A cylinder has a diameter of 10 cm and a height of 10 cm. Find its **volume** in terms of π . _____
- 49.** A cylinder has a radius of 5 cm and a height of 2 cm. Find its **volume** in terms of π . _____
- 50.** A cylinder has a radius of 2 cm and a height of 2 cm. Find its **volume** in terms of π . _____
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Answer Key – Volume of Cylinders

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| 1. $90\pi \text{ cm}^3$ | 2. $441\pi \text{ cm}^3$ | 3. $147\pi \text{ cm}^3$ |
| 4. $36\pi \text{ cm}^3$ | 5. $196\pi \text{ cm}^3$ | 6. $294\pi \text{ cm}^3$ |
| 7. $28\pi \text{ cm}^3$ | 8. $90\pi \text{ cm}^3$ | 9. $216\pi \text{ cm}^3$ |
| 10. $63\pi \text{ cm}^3$ | 11. $392\pi \text{ cm}^3$ | 12. $27\pi \text{ cm}^3$ |
| 13. $288\pi \text{ cm}^3$ | 14. $252\pi \text{ cm}^3$ | 15. $36\pi \text{ cm}^3$ |
| 16. $45\pi \text{ cm}^3$ | 17. $32\pi \text{ cm}^3$ | 18. $125\pi \text{ cm}^3$ |
| 19. $360\pi \text{ cm}^3$ | 20. $144\pi \text{ cm}^3$ | 21. $16\pi \text{ cm}^3$ |
| 22. $384\pi \text{ cm}^3$ | 23. $144\pi \text{ cm}^3$ | 24. $150\pi \text{ cm}^3$ |
| 25. $288\pi \text{ cm}^3$ | 26. $343\pi \text{ cm}^3$ | 27. $20\pi \text{ cm}^3$ |
| 28. $112\pi \text{ cm}^3$ | 29. $250\pi \text{ cm}^3$ | 30. $192\pi \text{ cm}^3$ |
| 31. $320\pi \text{ cm}^3$ | 32. $160\pi \text{ cm}^3$ | 33. $392\pi \text{ cm}^3$ |
| 34. $108\pi \text{ cm}^3$ | 35. $32\pi \text{ cm}^3$ | 36. $40\pi \text{ cm}^3$ |
| 37. $128\pi \text{ cm}^3$ | 38. $245\pi \text{ cm}^3$ | 39. $80\pi \text{ cm}^3$ |
| 40. $24\pi \text{ cm}^3$ | 41. $20\pi \text{ cm}^3$ | 42. $75\pi \text{ cm}^3$ |
| 43. $320\pi \text{ cm}^3$ | 44. $64\pi \text{ cm}^3$ | 45. $200\pi \text{ cm}^3$ |
| 46. $512\pi \text{ cm}^3$ | 47. $200\pi \text{ cm}^3$ | 48. $250\pi \text{ cm}^3$ |
| 49. $50\pi \text{ cm}^3$ | 50. $8\pi \text{ cm}^3$ | |
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