

Volume of prisms and cylinders

Geometry - grade 8-9

Name: _____ Date: _____ Score: _____

1. Volume of a cylinder, radius 3 cm, height 5 cm ($\pi = 3.14$)

Answer: _____

2. Volume of a cylinder, radius 3 cm, height 3 cm ($\pi = 3.14$)

Answer: _____

3. Volume of a box 5 x 6 x 3 cm

Answer: _____

4. Volume of a cylinder, radius 6 cm, height 8 cm ($\pi = 3.14$)

Answer: _____

5. Volume of a box 5 x 3 x 8 cm

Answer: _____

6. Volume of a cylinder, radius 2 cm, height 6 cm ($\pi = 3.14$)

Answer: _____

7. Volume of a cylinder, radius 2 cm, height 2 cm ($\pi = 3.14$)

Answer: _____

8. Volume of a box 9 x 4 x 4 cm

Answer: _____

9. Volume of a cylinder, radius 6 cm, height 6 cm ($\pi = 3.14$)

Answer: _____

10. Volume of a cylinder, radius 4 cm, height 10 cm ($\pi = 3.14$)

Answer: _____

11. Volume of a cylinder, radius 3 cm, height 2 cm ($\pi = 3.14$)

Answer: _____

12. Volume of a cylinder, radius 4 cm, height 6 cm ($\pi = 3.14$)

Answer: _____

13. Volume of a box 7 x 8 x 10 cm

Answer: _____

Volume of prisms and cylinders - Answer key

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Name: _____ Date: _____ Score: _____

1. Volume of a cylinder, radius 3 cm, height 5 cm ($\pi = 3.14$)

141.30 cm³

2. Volume of a cylinder, radius 3 cm, height 3 cm ($\pi = 3.14$)

84.78 cm³

3. Volume of a box 5 x 6 x 3 cm

90 cm³

4. Volume of a cylinder, radius 6 cm, height 8 cm ($\pi = 3.14$)

904.32 cm³

5. Volume of a box 5 x 3 x 8 cm

120 cm³

6. Volume of a cylinder, radius 2 cm, height 6 cm ($\pi = 3.14$)

75.36 cm³

7. Volume of a cylinder, radius 2 cm, height 2 cm ($\pi = 3.14$)

25.12 cm³

8. Volume of a box 9 x 4 x 4 cm

144 cm³

9. Volume of a cylinder, radius 6 cm, height 6 cm ($\pi = 3.14$)

678.24 cm³

10. Volume of a cylinder, radius 4 cm, height 10 cm ($\pi = 3.14$)

502.40 cm³

11. Volume of a cylinder, radius 3 cm, height 2 cm ($\pi = 3.14$)

56.52 cm³

12. Volume of a cylinder, radius 4 cm, height 6 cm ($\pi = 3.14$)

301.44 cm³

13. Volume of a box 7 x 8 x 10 cm

560 cm³