

Volume of prisms and cylinders

Geometry – grade 8-9

Name: _____ Date: _____ Score: _____

1. Volume of a cylinder, radius 4 cm, height 9 cm ($\pi = 3.14$)

Answer: _____

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

Answer: _____

3. Volume of a box $4 \times 3 \times 9$ cm

Answer: _____

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

Answer: _____

5. Volume of a box $4 \times 2 \times 10$ cm

Answer: _____

6. Volume of a box $5 \times 5 \times 2$ cm

Answer: _____

7. Volume of a box $5 \times 10 \times 5$ cm

Answer: _____

8. Volume of a box $2 \times 3 \times 9$ cm

Answer: _____

9. Volume of a cylinder, radius 3 cm, height 6 cm ($\pi = 3.14$)

Answer: _____

10. Volume of a cylinder, radius 1 cm, height 2 cm ($\pi = 3.14$)

Answer: _____

11. Volume of a box $3 \times 8 \times 3$ cm

Answer: _____

12. Volume of a cylinder, radius 2 cm, height 5 cm ($\pi = 3.14$)

Answer: _____

13. Volume of a box $2 \times 9 \times 8$ cm

Answer: _____

14. Volume of a box $3 \times 5 \times 6$ cm

Answer: _____

Volume of prisms and cylinders - Answer key

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Name: _____ Date: _____ Score: _____

1. Volume of a cylinder, radius 4 cm, height 9 cm ($\pi = 3.14$)

452.16 cm³

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

502.40 cm³

3. Volume of a box $4 \times 3 \times 9$ cm

108 cm³

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

401.92 cm³

5. Volume of a box $4 \times 2 \times 10$ cm

80 cm³

6. Volume of a box $5 \times 5 \times 2$ cm

50 cm³

7. Volume of a box $5 \times 10 \times 5$ cm

250 cm³

8. Volume of a box $2 \times 3 \times 9$ cm

54 cm³

9. Volume of a cylinder, radius 3 cm, height 6 cm ($\pi = 3.14$)

169.56 cm³

10. Volume of a cylinder, radius 1 cm, height 2 cm ($\pi = 3.14$)

6.28 cm³

11. Volume of a box $3 \times 8 \times 3$ cm

72 cm³

12. Volume of a cylinder, radius 2 cm, height 5 cm ($\pi = 3.14$)

62.80 cm³

13. Volume of a box $2 \times 9 \times 8$ cm

144 cm³

14. Volume of a box $3 \times 5 \times 6$ cm

90 cm³