

## Math Worksheet for 5th Grade

### Volume of rectangular prisms

1. Find the volume of a rectangular prism 3 cm by 4 cm by 5 cm.
2. Find the volume of a rectangular prism 6 cm by 2 cm by 3 cm.
3. Find the volume of a rectangular prism 10 cm by 5 cm by 1 cm.
4. Find the volume of a rectangular prism 8 cm by 4 cm by 2 cm.
5. Find the volume of a rectangular prism 7 cm by 3 cm by 2 cm.
6. Find the volume of a rectangular prism 9 cm by 2 cm by 2 cm.
7. Find the volume of a rectangular prism 12 cm by 3 cm by 1 cm.
8. Find the volume of a rectangular prism 5 cm by 5 cm by 5 cm.
9. Find the volume of a rectangular prism 4 cm by 6 cm by 3 cm.
10. Find the volume of a rectangular prism 2 cm by 2 cm by 10 cm.
11. Find the volume of a rectangular prism 15 cm by 2 cm by 2 cm.
12. Find the volume of a rectangular prism 14 cm by 3 cm by 2 cm.
13. Find the volume of a rectangular prism 11 cm by 2 cm by 4 cm.
14. Find the volume of a rectangular prism 1 cm by 9 cm by 7 cm.
15. Find the volume of a rectangular prism 3 cm by 3 cm by 8 cm.
16. Find the volume of a rectangular prism 6 cm by 6 cm by 2 cm.
17. Find the volume of a cube 4 cm by 4 cm by 4 cm.
18. Find the volume of a rectangular prism 13 cm by 1 cm by 2 cm.
19. Find the volume of a rectangular prism 5 cm by 7 cm by 3 cm.
20. Find the volume of a rectangular prism 8 cm by 5 cm by 2 cm.
21. The base area of a prism is  $12\text{ cm}^2$  and its length is 5 cm. Find the volume.
22. The base area of a prism is  $9\text{ cm}^2$  and its length is 6 cm. Find the volume.
23. The base area of a prism is  $14\text{ cm}^2$  and its length is 3 cm. Find the volume.
24. The base area of a prism is  $20\text{ cm}^2$  and its length is 2 cm. Find the volume.
25. The base area of a prism is  $7\text{ cm}^2$  and its length is 4 cm. Find the volume.
26. The base area of a prism is  $11\text{ cm}^2$  and its length is 5 cm. Find the volume.
27. The base area of a prism is  $18\text{ cm}^2$  and its length is 6 cm. Find the volume.
28. The base area of a prism is  $16\text{ cm}^2$  and its length is 3 cm. Find the volume.
29. The base area of a prism is  $25\text{ cm}^2$  and its length is 2 cm. Find the volume.
30. The base area of a prism is  $30\text{ cm}^2$  and its length is 1 cm. Find the volume.
31. A prism has volume  $60\text{ cm}^3$ . If length = 5 cm and width = 3 cm, find the height.
32. A prism has volume  $48\text{ cm}^3$ . If length = 6 cm and height = 2 cm, find the width.



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### Volume of rectangular prisms

Name: \_\_\_\_\_

Due Date: \_\_\_\_\_

Teacher: \_\_\_\_\_

Parent Sign: \_\_\_\_\_

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33. A prism has volume  $90 \text{ cm}^3$ . If width = 5 cm and height = 3 cm, find the length.
34. A prism has volume  $72 \text{ cm}^3$ . If length = 4 cm and width = 3 cm, find the height.
35. A prism has volume  $100 \text{ cm}^3$ . If length = 5 cm and width = 4 cm, find the height.
36. A prism has volume  $36 \text{ cm}^3$ . If width = 3 cm and height = 3 cm, find the length.
37. A prism has volume  $84 \text{ cm}^3$ . If length = 7 cm and height = 2 cm, find the width.
38. A prism has volume  $45 \text{ cm}^3$ . If length = 5 cm and height = 3 cm, find the width.
39. A prism has volume  $64 \text{ cm}^3$ . If width = 4 cm and height = 4 cm, find the length.
40. A prism has volume  $35 \text{ cm}^3$ . If length = 7 cm and width = 5 cm, find the height.
41. How many  $1 \text{ cm}^3$  unit cubes fit in a box 3 cm by 4 cm by 2 cm?
42. How many  $1 \text{ cm}^3$  unit cubes fit in a box 6 cm by 5 cm by 2 cm?
43. How many  $1 \text{ cm}^3$  unit cubes fit in a box 4 cm by 4 cm by 3 cm?
44. How many  $1 \text{ cm}^3$  unit cubes fit in a box 7 cm by 2 cm by 2 cm?
45. How many  $1 \text{ cm}^3$  unit cubes fit in a box 9 cm by 3 cm by 1 cm?
46. Box A is 5 cm by 6 cm by 2 cm. Box B is 4 cm by 4 cm by 3 cm. What is the difference in their volumes (A - B)?
47. Box A is 8 cm by 3 cm by 2 cm. Box B is 6 cm by 4 cm by 1 cm. What is the difference in their volumes (A - B)?
48. Box A is 10 cm by 2 cm by 3 cm. Box B is 5 cm by 5 cm by 2 cm. What is the difference in their volumes (A - B)?
49. Box A is 12 cm by 2 cm by 2 cm. Box B is 8 cm by 3 cm by 2 cm. What is the difference in their volumes (A - B)?
50. Box A is 7 cm by 4 cm by 3 cm. Box B is 6 cm by 5 cm by 3 cm. What is the difference in their volumes (B - A)?