



Math Worksheet for 5th Grade

Volume with unit cubes

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

Questions

1. What is the volume of a prism 1 unit long, 1 unit wide, and 1 unit high?
2. What is the volume of a prism $1 \times 2 \times 3$ (length \times width \times height)?
3. What is the volume of a prism $2 \times 2 \times 2$?
4. What is the volume of a prism $3 \times 3 \times 1$?
5. What is the volume of a prism $3 \times 4 \times 2$?
6. What is the volume of a prism $4 \times 5 \times 1$?
7. What is the volume of a prism $2 \times 6 \times 3$?
8. What is the volume of a prism $5 \times 5 \times 1$?
9. What is the volume of a prism $4 \times 4 \times 2$?
10. What is the volume of a prism $6 \times 3 \times 2$?
11. What is the volume of a prism $7 \times 2 \times 2$?
12. What is the volume of a prism $2 \times 8 \times 1$?
13. What is the volume of a prism $3 \times 5 \times 3$?
14. What is the volume of a prism $4 \times 3 \times 3$?
15. What is the volume of a prism $6 \times 5 \times 1$?
16. What is the volume of a prism $5 \times 4 \times 2$?
17. What is the volume of a prism $8 \times 3 \times 1$?
18. What is the volume of a prism $2 \times 2 \times 5$?
19. What is the volume of a prism $7 \times 3 \times 1$?
20. What is the volume of a prism $9 \times 1 \times 1$?
21. What is the volume of a prism $4 \times 6 \times 2$?
22. What is the volume of a prism $3 \times 7 \times 2$?
23. What is the volume of a prism $5 \times 5 \times 2$?
24. What is the volume of a prism $6 \times 4 \times 3$?
25. What is the volume of a prism $8 \times 2 \times 2$?
26. What is the volume of a prism $7 \times 4 \times 1$?
27. What is the volume of a prism $3 \times 8 \times 2$?
28. What is the volume of a prism $10 \times 2 \times 1$?
29. What is the volume of a prism $6 \times 6 \times 1$?
30. What is the volume of a prism $4 \times 4 \times 3$?
31. A box has volume 24 unit cubes and its base is 3 by 4. What is its height (in unit cubes)?



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32. A box has volume 36 and its length and width are 3 and 3. What is its height?
33. A box has volume 30 and base 5 by 3. What is its height?
34. A box has volume 48 and base 4 by 3. What is its height?
35. A box has volume 20 and base 5 by 2. What is its height?
36. A box has volume 56 and base 7 by 2. What is its height?
37. A box has volume 60 and base 5 by 3. What is its height?
38. A box has volume 72 and base 6 by 3. What is its height?
39. What is the volume of a cube with side length 1 unit?
40. What is the volume of a cube with side length 2 units?
41. What is the volume of a cube with side length 3 units?
42. What is the volume of a cube with side length 4 units?
43. What is the volume of a cube with side length 5 units?
44. A $3 \times 3 \times 3$ cube contains 27 unit cubes. If 5 are removed, how many unit cubes remain?
45. A box $4 \times 3 \times 2$ contains 24 unit cubes. If 7 are removed, how many remain?
46. A box $5 \times 2 \times 2$ contains 20 unit cubes. If 4 are removed, how many remain?
47. A box $6 \times 1 \times 3$ contains 18 unit cubes. If 6 are removed, how many remain?
48. A box $4 \times 4 \times 2$ contains 32 unit cubes. If 10 are removed, how many remain?
49. Find the total number of unit cubes in two boxes: one is $3 \times 4 \times 2$ and the other is $2 \times 2 \times 3$.
50. Find the total number of unit cubes in two boxes: one is $5 \times 3 \times 2$ and the other is $4 \times 2 \times 2$.