



Name:

Due Date:

Teacher:

Parent Sign:

Math Worksheet for 5th Grade

Decompose figures to find volume

1. A rectangular prism measures 3 units by 4 units by 2 units. What is its volume?
2. A prism measures 5 by 2 by 1. What is its volume?
3. A flat prism measures 4 by 4 by 1. What is its volume?
4. A prism measures 2 by 3 by 3. What is its volume?
5. A prism measures 6 by 1 by 2. What is its volume?
6. A cube measures 2 by 2 by 2. What is its volume?
7. A cube measures 3 by 3 by 3. What is its volume?
8. A solid is made by joining two rectangular prisms side-by-side: one is $3 \times 2 \times 2$ and the other is $2 \times 2 \times 2$. What is the total volume?
9. A solid has two stacked layers: bottom is $3 \times 3 \times 2$ and top is $3 \times 3 \times 1$. What is the total volume?
10. A $3 \times 3 \times 3$ cube has a $1 \times 1 \times 3$ column removed from one corner. What is the remaining volume?
11. An L-shaped solid is made of two prisms: one $4 \times 2 \times 1$ and another $2 \times 2 \times 1$ attached. What is the total volume?
12. A solid is made of a $4 \times 3 \times 1$ block with a $4 \times 1 \times 2$ slab attached. What is the total volume?
13. A flat slab measures $5 \times 5 \times 1$. What is its volume?
14. A prism measures $5 \times 2 \times 2$. What is its volume?
15. A prism measures $4 \times 2 \times 3$. What is its volume?
16. A solid is made of two prisms: $3 \times 2 \times 1$ and $3 \times 2 \times 2$. What is the total volume?
17. A solid is made of three parts: $2 \times 2 \times 2$, $2 \times 3 \times 1$, and $1 \times 1 \times 2$. What is the total volume?
18. A $3 \times 4 \times 2$ block has a $1 \times 2 \times 2$ notch removed. What is the remaining volume?
19. A solid is made of three identical layers, each $4 \times 3 \times 1$. What is the total volume?
20. A $4 \times 4 \times 3$ block has a $2 \times 2 \times 3$ rectangular hole removed. What is the remaining volume?
21. A staircase-shaped solid is three blocks stacked: base $4 \times 2 \times 1$, step $3 \times 2 \times 1$ on top, top $2 \times 2 \times 1$. What is the total volume?
22. Two thin bars are joined: one is $6 \times 1 \times 1$ and the other $4 \times 1 \times 1$. What is the total volume?
23. A $3 \times 4 \times 1$ slab has a small $3 \times 1 \times 1$ slab on top. What is the total volume?
24. A prism measures $3 \times 5 \times 2$. What is its volume?
25. A prism measures $2 \times 5 \times 2$. What is its volume?
26. A solid is made of two prisms: $4 \times 2 \times 2$ and $1 \times 2 \times 2$ stuck together. What is the total volume?
27. A $3 \times 3 \times 2$ block has a $1 \times 3 \times 2$ notch removed. What is the remaining volume?
28. A flat prism measures $5 \times 3 \times 1$. What is its volume?
29. A prism measures $6 \times 2 \times 1$. What is its volume?
30. Two identical slabs are stacked: each is $5 \times 4 \times 1$. What is the total volume?
31. A prism measures $2 \times 4 \times 3$. What is its volume?



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32. A solid is made of a $3 \times 3 \times 2$ block plus a $3 \times 1 \times 1$ small block on one side. What is the total volume?
33. A prism measures $4 \times 3 \times 2$. What is its volume?
34. An L-shape is made of $3 \times 4 \times 1$ attached to $1 \times 3 \times 1$. What is the total volume?
35. A prism measures $2 \times 2 \times 3$. What is its volume?
36. A thin bar measures $7 \times 1 \times 1$. What is its volume?
37. A bar measures $7 \times 1 \times 2$. What is its volume?
38. A prism measures $3 \times 4 \times 3$. What is its volume?
39. A solid is made of two prisms: $4 \times 2 \times 1$ and $4 \times 2 \times 2$. What is the total volume?
40. A small bar measures $8 \times 1 \times 1$. What is its volume?
41. A prism measures $2 \times 6 \times 1$. What is its volume?
42. A prism measures $3 \times 5 \times 1$. What is its volume?
43. A prism measures $3 \times 2 \times 3$. What is its volume?
44. A $4 \times 3 \times 2$ block has a $2 \times 1 \times 2$ piece removed. What is the remaining volume?
45. A bar measures $9 \times 1 \times 1$. What is its volume?
46. A bar measures $10 \times 1 \times 1$. What is its volume?
47. A prism measures $3 \times 7 \times 1$. What is its volume?
48. A prism measures $2 \times 2 \times 5$. What is its volume?
49. A solid is three slabs side-by-side: $3 \times 3 \times 1$, $2 \times 3 \times 1$, and $1 \times 3 \times 1$. What is the total volume?
50. A flat slab measures $4 \times 5 \times 1$. What is its volume?