

Volume and Missing Sides

Total questions: 18

Worksheet time: 9mins

1. What is the formula to find the volume of a cube?
 - a) $V = 4s$
 - b) $V = s^2$
 - c) $V = s^2/2$
 - d) $V = s^3$

2. If a cube has a side length of 5 cm, what is its volume?
 - a) 50 cm^3
 - b) 100 cm^3
 - c) 125 cm^3
 - d) 25 cm^3

3. What is the formula to find the volume of a cuboid?
 - a) length + width + height
 - b) length + width x height
 - c) length x width + height
 - d) length x width x height

4. If a cuboid has length 6 cm, width 4 cm, and height 3 cm, what is its volume?
 - a) 36 cm^3
 - b) 72 cm^3
 - c) 48 cm^3
 - d) 24 cm^3

5. If the volume of a cube is 64 cm^3 , what is the length of its side?
 - a) 2 cm
 - b) 6 cm
 - c) 4 cm
 - d) 8 cm

6. If the volume of a cuboid is 120 cm^3 , and its length is 6 cm, what is its width?
 - a) 2 cm
 - b)
 - c) 8 cm
 - d) 4 cm

7. If the volume of a cube is 27 cm^3 , what is the length of its side?
a) 4 cm
b) 3 cm
c) 9 cm
d) 6 cm
8. If the volume of a cuboid is 72 cm^3 , and its width is 3 cm, what is its height?
a) 6 cm
b) 4 cm
c) 2 cm
d) 3 cm
9. A cube has a volume of 125 cm^3 . What is the length of its side?
a) 7
b) 3
c) 10
d) 5
10. A cuboid has a volume of 90 cm^3 . If its length is 5 cm, what is its height?
a) 20 cm
b) 10 cm
c) 15 cm
d) Cannot determine
11. Find the volume of a cube with a side length of 8 cm.
a) 256 cm^3
b) 512 cm^3
c) 64 cm^3
d) 1024 cm^3
12. Find the volume of a cuboid with length 7 cm, width 4 cm, and height 2 cm.
a) 112 cm^3
b) 56 cm^3
c) 28 cm^3
d) 14 cm^3
13. If the volume of a cube is 216 cm^3 , what is the length of its side?
a) 6
b) 8
14. If the volume of a cuboid is 150 cm^3 , and its width is 5 cm, what is its height?
a) 15 cm
b) 10 cm
c) 30 cm
d) 20 cm

15. A cube has a volume of 64 cm^3 . What is the length of its side?
 - a) 2 cm
 - b) 8 cm
 - c) 6 cm
 - d) 4 cm
16. What is the formula to find the volume of a cuboid?
 - a) length + width + height
 - b) length x width x height
 - c) length x width + height
 - d) length + width x height
17. If a cube has a side length of 5 cm, what is its volume?
 - a) 100 cm^3
 - b) 50 cm^3
 - c) 125 cm^3
 - d) 25 cm^3
18. If the volume of a cube is 64 cm^3 , what is the length of its side?
 - a) 2 cm
 - b) 6 cm
 - c) 4 cm
 - d) 8 cm