Calculating and Estimating Volume

I can estimate and calculate the volume of cubes and cuboids.

1. Calculate the volume of these shapes.





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2. Estimate the volume of these shapes.



- 3. The volume of a cuboid is 36cm³. The height of the cuboid is 6cm and the width is 2cm. What is the measurement of the other side?
- 4. A cuboid has a volume of 60cm³. Place a tick by all the dimensions which the cuboid could be.







Calculating and Estimating Volume **Answers**

- 1. Calculate the volume of these shapes.
 - a. 20cm³ d. 192m³
 - b. **36m**³ e. **32cm**³
 - c. **84cm³** f. **800m³**
- 2. Estimate the volume of these shapes.
 - a. *16cm*³
 - b. **27m**³
 - c. **14cm**³
 - d. 24m³
- The volume of a cuboid is 36cm³. The height of the cuboid is 6cm and the width is 2cm. What is the measurement of the other side?
 3cm
- 4. A cuboid has a volume of 60cm³. Place a tick by all the dimensions which the cuboid could be.







Calculating and Estimating Volume

I can estimate and calculate the volume of cubes and cuboids.

1. Calculate the volume of these shapes.









2. Calculate the area of this composite shape.



3. Estimate the volume of these shapes.



4. The volume of a cuboid is 72cm³. The area of the base is 9cm². What is the height of the shape?





Calculating and Estimating Volume **Answers**

- 1. Calculate the volume of these shapes.
 - a. 36cm³ d. 1008m³
 - b. **48m**³ e. **288cm**³
 - c. 126cm³ f. 960m³
- Calculate the area of this composite shape.
 224cm³
- 3. Estimate the volume of these shapes.
 - a. **20cm**³
 - b. 60m³
 - c. **36m**³
 - d. 64m³
- 4. The volume of a cuboid is 72cm³. The area of the base is 9cm². What is the height of the shape?

8cm





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1. Calculate the volume of these shapes.





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2. Calculate the area of this composite shape. The shape is made up of a cube and a cuboid.



3. Estimate the volume of these shapes.



4. Find all the cuboids that have a volume of 96cm³, where one of the dimensions is 8cm.







Calculating and Estimating Volume **Answers**

- 1. Calculate the volume of these shapes.
 - a. 60cm³ d. 1800m³
 - b. 64m³ e. 132cm³
 - c. 180cm³ f. 324m³
- Calculate the area of this composite shape.
 99cm³
- 3. Estimate the volume of these shapes.
 - a. **72cm**³
 - b. 125m³
 - c. **48m**³
 - d. 150m³
- 4. Find all the cuboids that have a volume of 96cm³, where one of the dimensions is 8cm.
 8cm × 12cm × 1cm
 8cm × 6cm × 2cm

8cm × 4cm × 3cm



