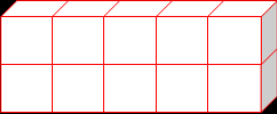


Outcome 3 - Volume of 3D Objects

Bronze example

Examples...

Calculate the volume of the shape below...



1 cm
1 cm
1 cm

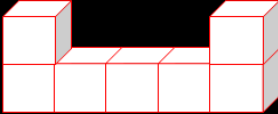
** Count all the boxes! **

Volume = 10 cm^3

Silver example

Examples...

Calculate the volume of the shape below...



1 cm
1 cm
1 cm

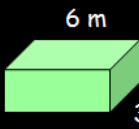
** Count all the boxes! **

Volume = 7 cm^3

Gold examples

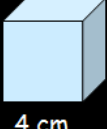
Examples...

Calculate the volume of...



6 m
2 m
3 m

$V = 6 \times 3 \times 2 = 36 \text{ m}^3$

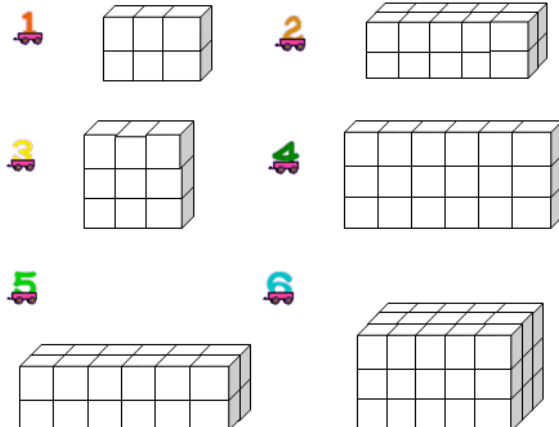


4 cm

$V = 4 \times 4 \times 4 = 64 \text{ cm}^3$

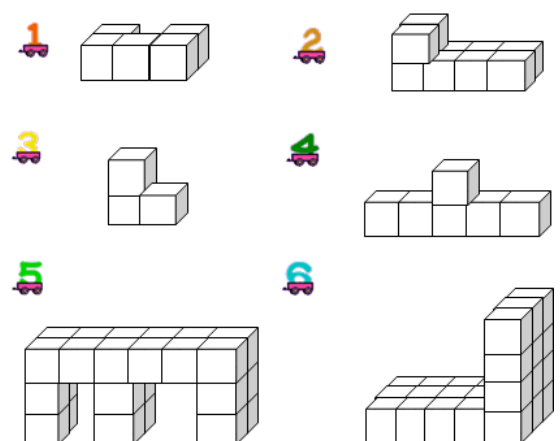
Bronze Questions

Calculate the volume of the following shapes...



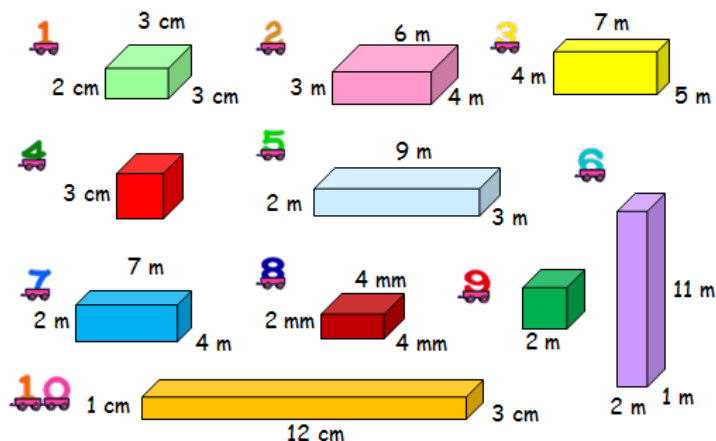
Silver Questions

Calculate the volume of the following shapes...



Gold Questions

Calculate the following volumes...



Key Facts/Formulae:

Cuboid:

$$V = L \times B \times H$$

Cube:

$$V = L^3$$



Bronze Answers

- | | |
|-----------------------|-----------------------|
| 1. 6 cm ³ | 2. 20 cm ³ |
| 3. 9 cm ³ | 4. 18 cm ³ |
| 5. 24 cm ³ | 6. 45 cm ³ |

Silver Answers

- | | |
|-----------------------|-----------------------|
| 1. 5 cm ³ | 2. 10 cm ³ |
| 3. 3 cm ³ | 4. 6 cm ³ |
| 5. 24 cm ³ | 6. 24 cm ³ |

Gold Answers

- | | |
|-----------------------|------------------------|
| 1. 18 cm ³ | 2. 72 m ³ |
| 3. 140 m ³ | 4. 27 cm ³ |
| 5. 54 m ³ | 6. 22 m ³ |
| 7. 56 m ³ | 8. 32 mm ³ |
| 9. 8 m ³ | 10. 36 cm ³ |