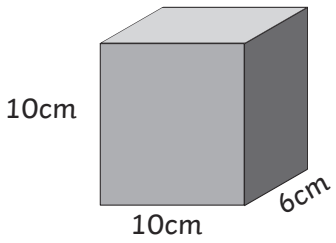
Calculate Volume of Cuboid Activity Sheet (1)

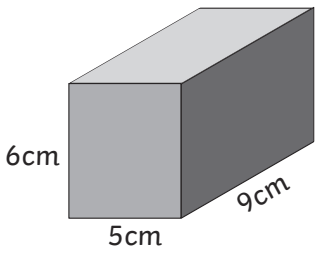
Calculate the volume of the following cuboids.

1.



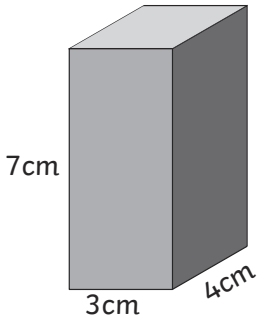
Volume =

2.



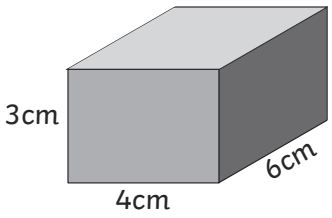
Volume =

3.



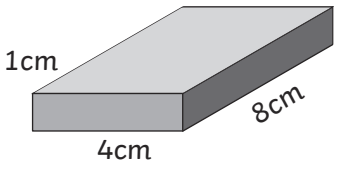
Volume =

4.



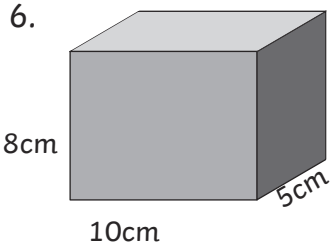
Volume =

5.



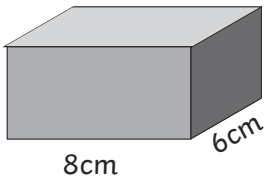
Volume =

6.



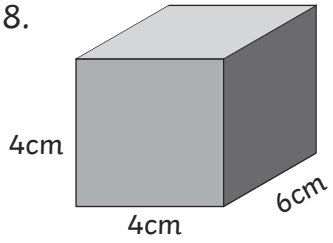
Volume =

7.



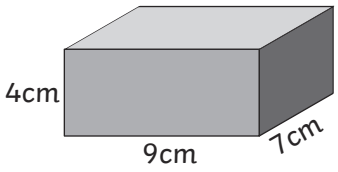
Volume =

8.



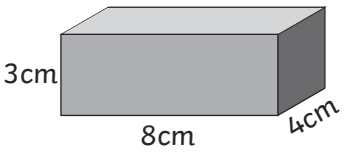
Volume =

9.



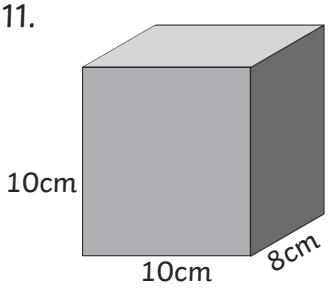
Volume =

10.



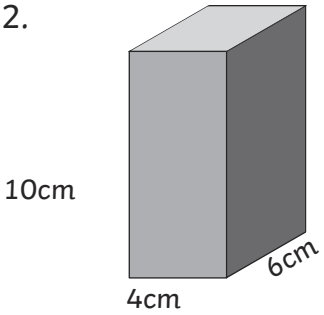
Volume =

11.



Volume =

12.



Volume =

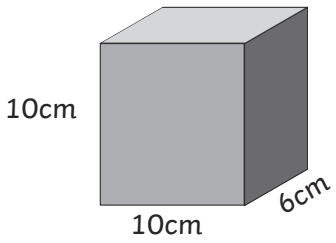
Challenge

Draw 3 different cuboids with a volume of 24cm^3, writing the dimensions. Your drawings don't need to be to scale.

Calculate Volume of Cuboid Activity Sheet (1) **Answers**

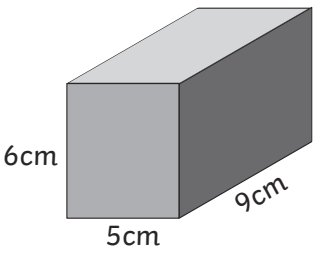
Calculate the volume of the following cuboids.

1.



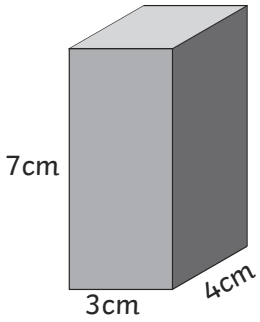
Volume = **600cm³**

2.



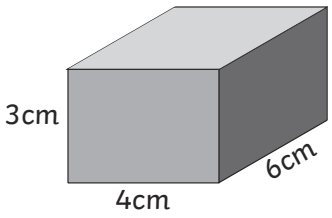
Volume = **270cm³**

3.



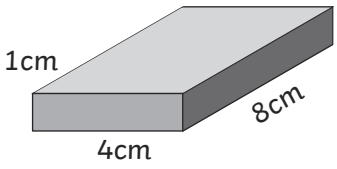
Volume = **84cm³**

4.



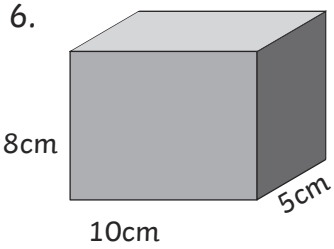
Volume = **72cm³**

5.



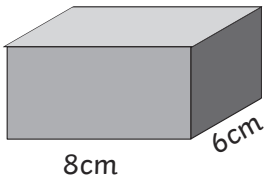
Volume = **32cm³**

6.



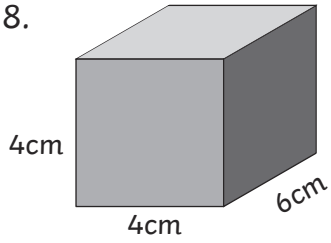
Volume = **400cm³**

7.



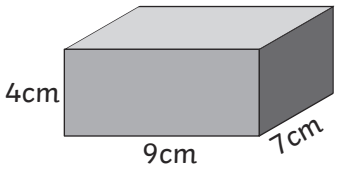
Volume = **192cm³**

8.



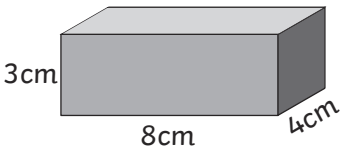
Volume = **96cm³**

9.



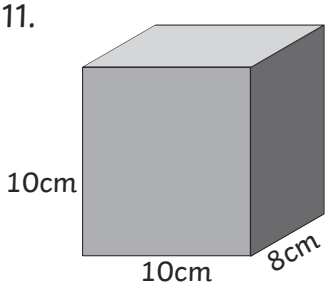
Volume = **252cm³**

10.



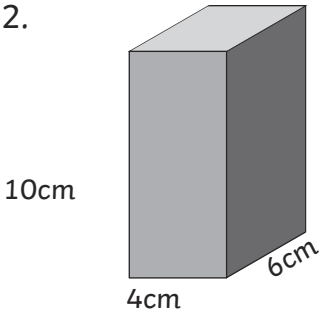
Volume = **96cm³**

11.



Volume = **800cm³**

12.



Volume = **240cm³**

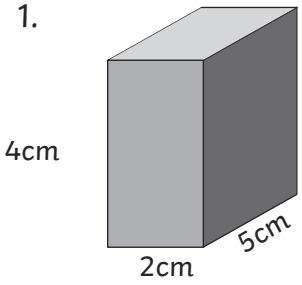
Challenge

Draw 3 different cuboids with a volume of 24cm³, writing the dimensions. Your drawings don't need to be to scale.

Calculate Volume of Cuboid Activity Sheet (2)

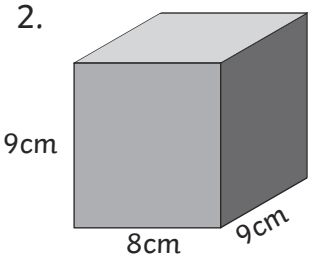
Calculate the volume of the following cuboids.

1.



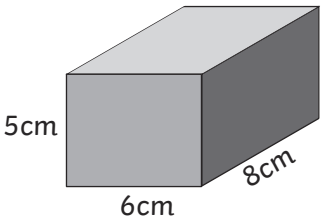
Volume =

2.



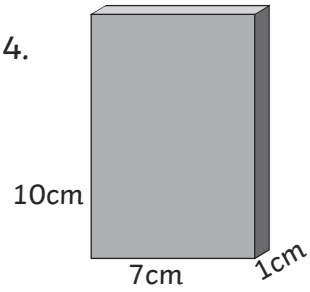
Volume =

3.



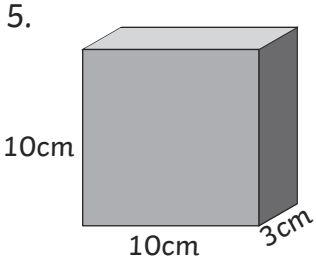
Volume =

4.



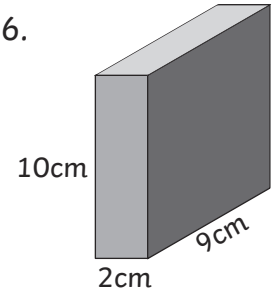
Volume =

5.



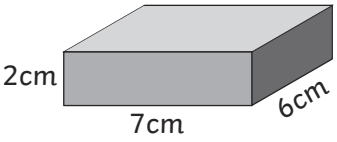
Volume =

6.



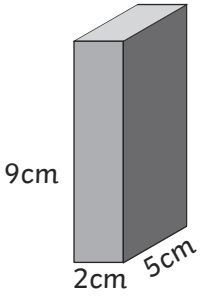
Volume =

7.



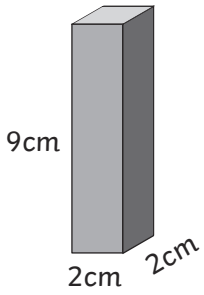
Volume =

8.



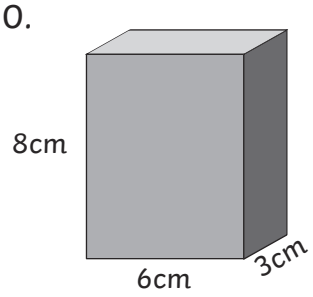
Volume =

9.



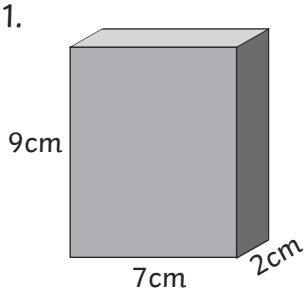
Volume =

10.



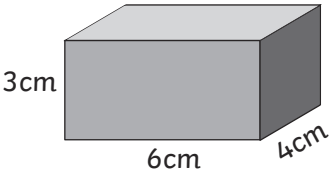
Volume =

11.



Volume =

12.



Volume =

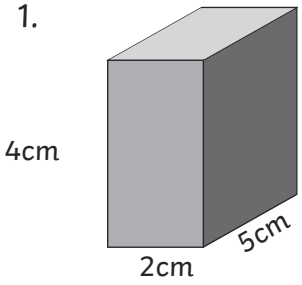
Challenge

Draw 2 different cuboids with a total volume of $40m^3$, writing the dimensions. Your drawings don't need to be to scale!

Calculate Volume of Cuboid Activity Sheet (2) **Answers**

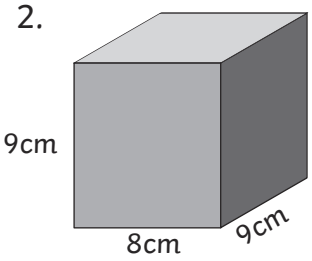
Calculate the volume of the following cuboids.

1.



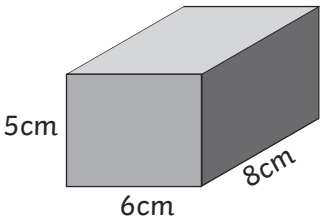
Volume = **40cm³**

2.



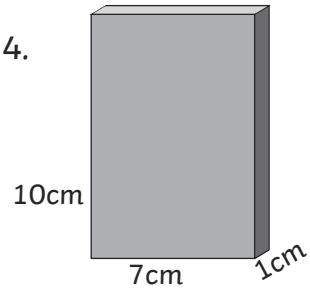
Volume = **648cm³**

3.



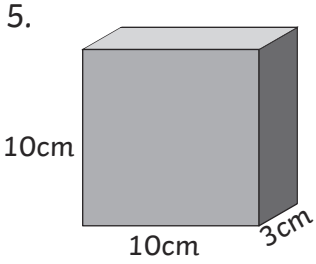
Volume = **240cm³**

4.



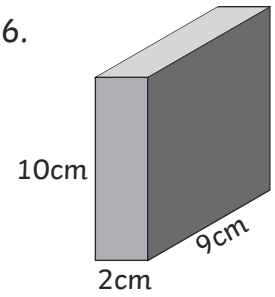
Volume = **70cm³**

5.



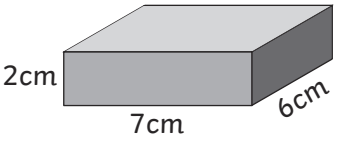
Volume = **300cm³**

6.



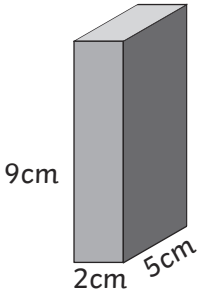
Volume = **180cm³**

7.



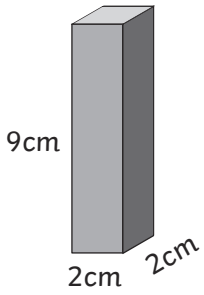
Volume = **84cm³**

8.



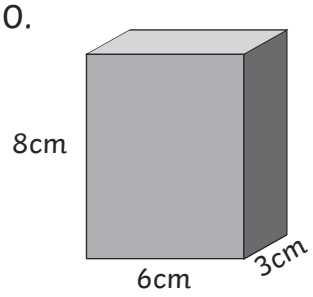
Volume = **90cm³**

9.



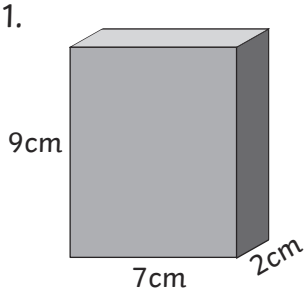
Volume = **36cm³**

10.



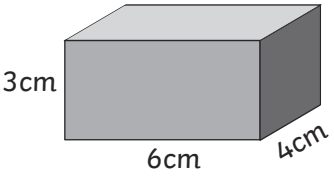
Volume = **144cm³**

11.



Volume = **126cm³**

12.



Volume = **72cm³**

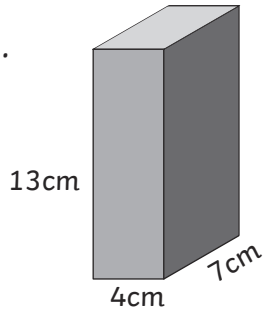
Challenge

Draw 2 different cuboids with a total volume of 40m^3, writing the dimensions. Your drawings don't need to be to scale!

Calculate Volume of Cuboid Activity Sheet (1)

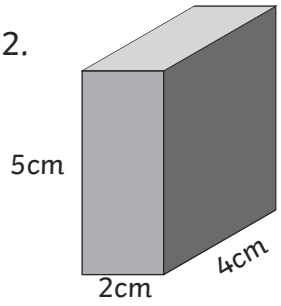
Calculate the volume of the following cuboids.

1.



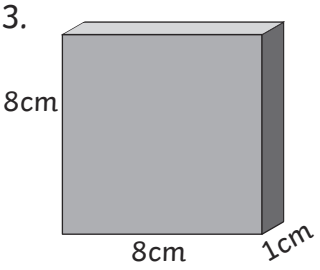
Volume =

2.



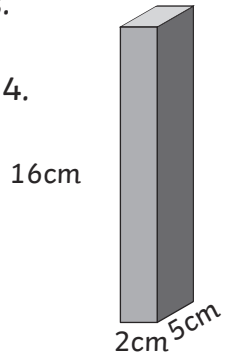
Volume =

3.



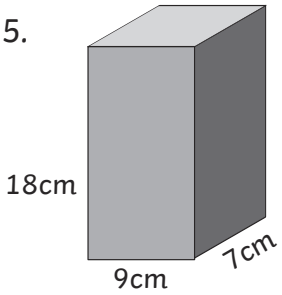
Volume =

4.



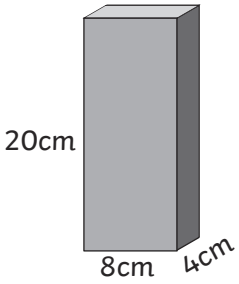
Volume =

5.



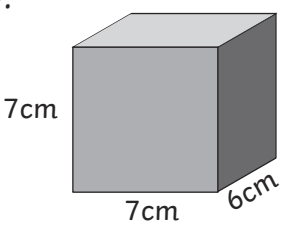
Volume =

6.



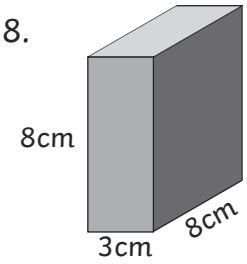
Volume =

7.



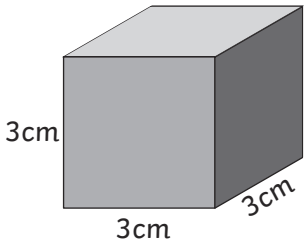
Volume =

8.



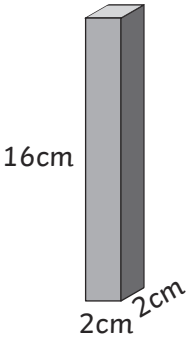
Volume =

9.



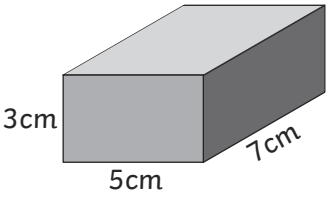
Volume =

10.



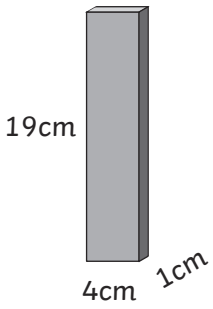
Volume =

11.



Volume =

12.



Volume =

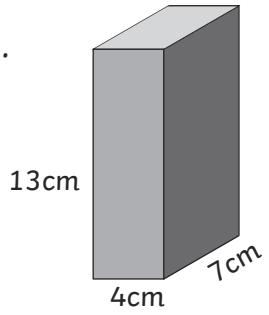
Challenge

Draw 3 different cuboids with a volume of 100cm^3, writing the dimensions. Your drawings don't need to be to scale.

Calculate Volume of Cuboid Activity Sheet (1) **Answers**

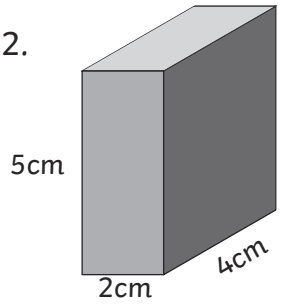
Calculate the volume of the following cuboids.

1.



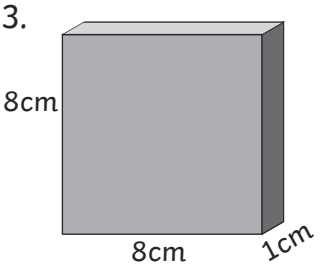
Volume = **364cm³**

2.



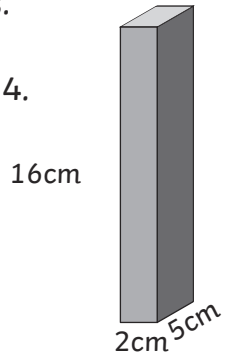
Volume = **40cm³**

3.



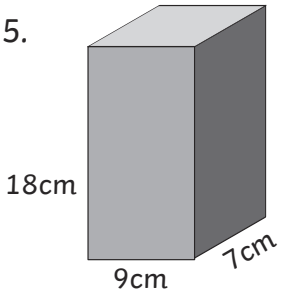
Volume = **64cm³**

4.



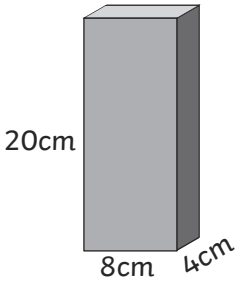
Volume = **160cm³**

5.



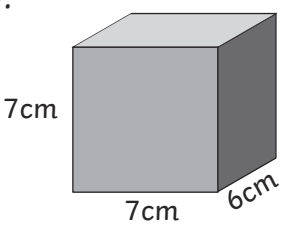
Volume = **1134cm³**

6.



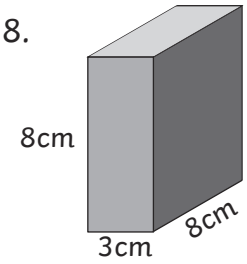
Volume = **640cm³**

7.



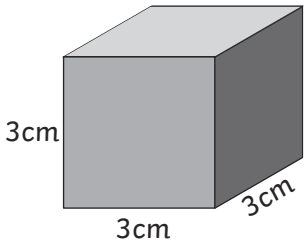
Volume = **294cm³**

8.



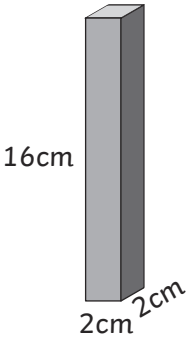
Volume = **192cm³**

9.



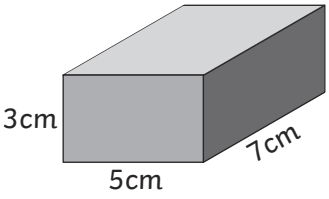
Volume = **27cm³**

10.



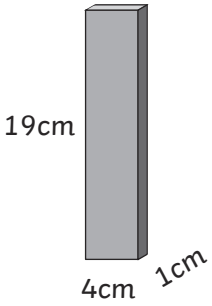
Volume = **64cm³**

11.



Volume = **105cm³**

12.



Volume = **76cm³**

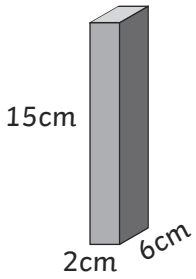
Challenge

A box supplier makes 3 small boxes with a volume of 100cm³. What could be the dimensions of the boxes?

Calculate Volume of Cuboid Activity Sheet (2)

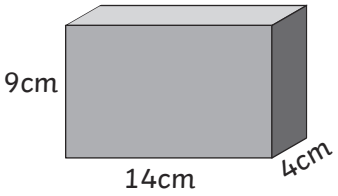
Calculate the volume of the following cuboids.

1.



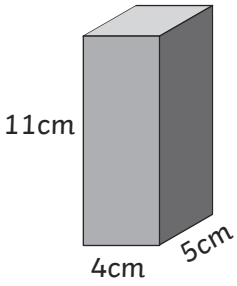
Volume =

2.



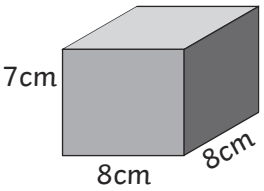
Volume =

3.



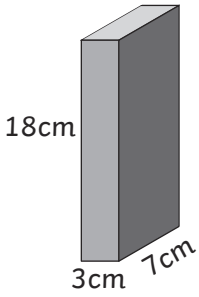
Volume =

4.



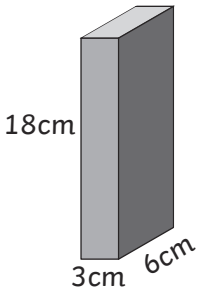
Volume =

5.



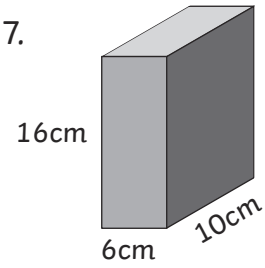
Volume =

6.



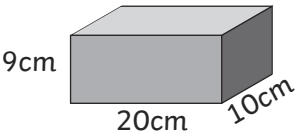
Volume =

7.



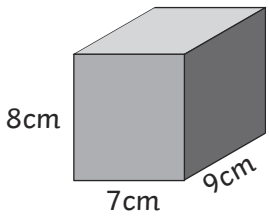
Volume =

8.



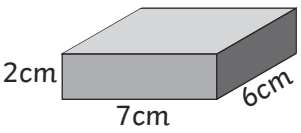
Volume =

9.



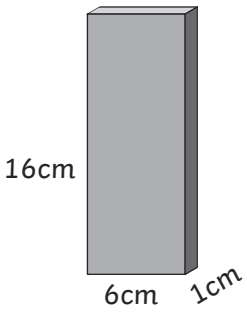
Volume =

10.



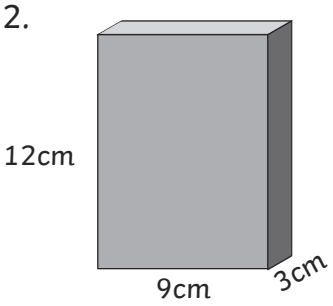
Volume =

11.



Volume =

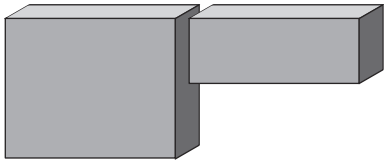
12.



Volume =

Challenge

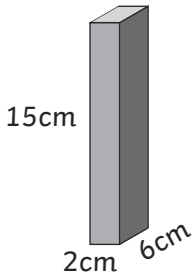
A swimming pool is made of 2 cuboid spaces with a total volume of 210m^3. What could be the dimensions of the pool?



Calculate Volume of Cuboid Activity Sheet (2) **Answers**

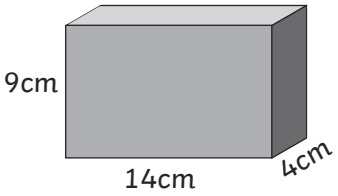
Calculate the volume of the following cuboids.

1.



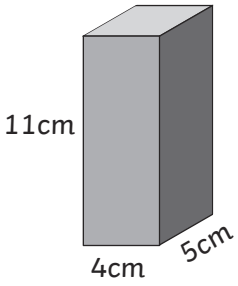
Volume = **180cm³**

2.



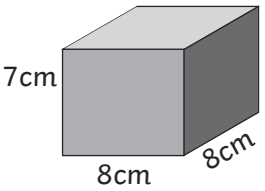
Volume = **504cm³**

3.



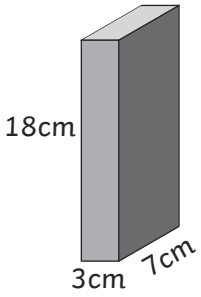
Volume = **220cm³**

4.



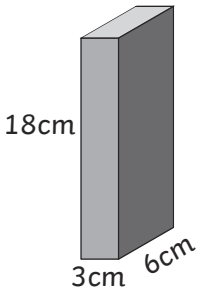
Volume = **448cm³**

5.



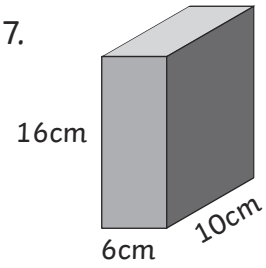
Volume = **378cm³**

6.



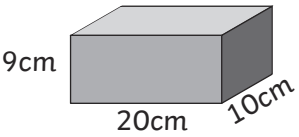
Volume = **324cm³**

7.



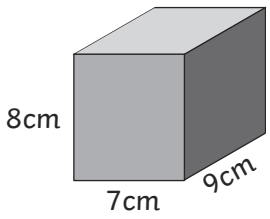
Volume = **960cm³**

8.



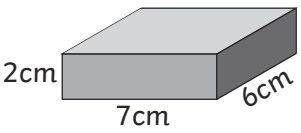
Volume = **1800cm³**

9.



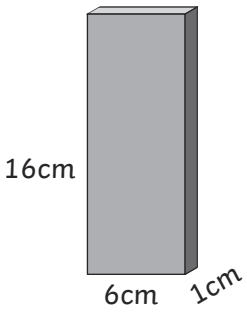
Volume = **504cm³**

10.



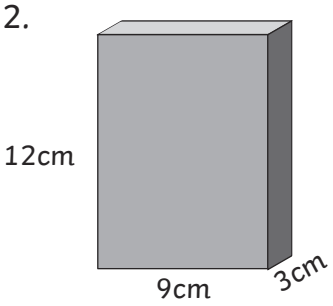
Volume = **84cm³**

11.



Volume = **96cm³**

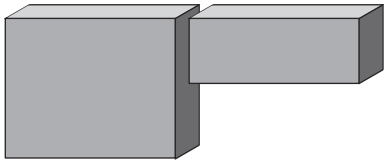
12.



Volume = **324cm³**

Challenge

A swimming pool is made of 2 cuboid spaces with a total volume of 210m³. What could be the dimensions of the pool?

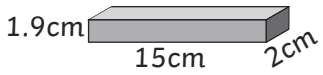


Possible answer: The pool is 5m wide, 14m long. Shallow end is 5m x 7m x 2m deep; deep end is 5m x 7m x 4m deep.

Calculate Volume of Cuboid Activity Sheet (1)

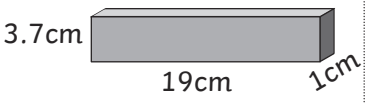
Calculate the volume of the following cuboids.

1.



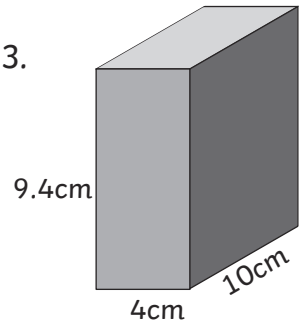
Volume =

2.



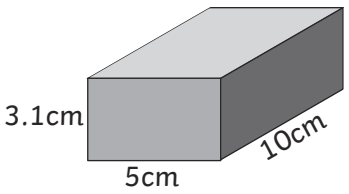
Volume =

3.



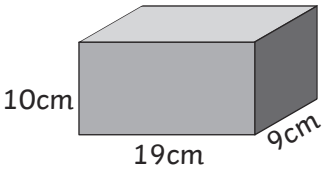
Volume =

4.



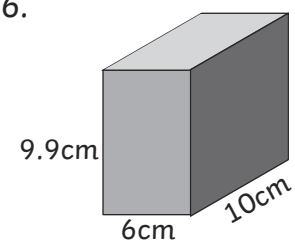
Volume =

5.



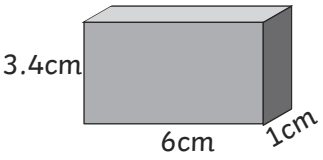
Volume =

6.



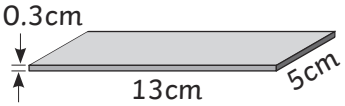
Volume =

7.



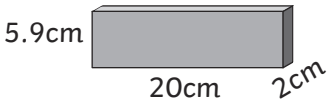
Volume =

8.



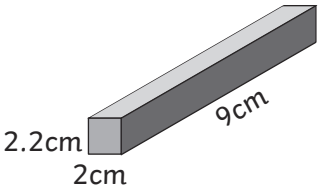
Volume =

9.



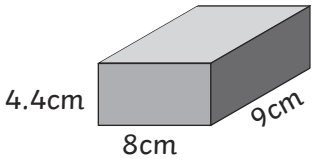
Volume =

10.



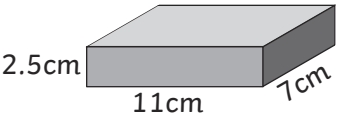
Volume =

11.



Volume =

12.



Volume =

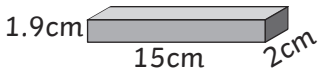
Challenge

A box supplier is asked to make a cube-shaped box with a volume of 16cm^3. To the nearest 1 decimal place, what could be the dimensions of the box?

Calculate Volume of Cuboid Activity Sheet (1) **Answers**

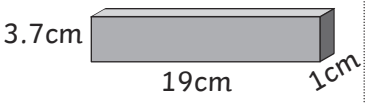
Calculate the volume of the following cuboids.

1.



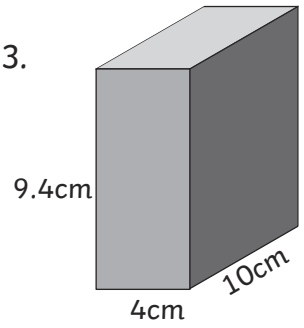
Volume = **57cm³**

2.



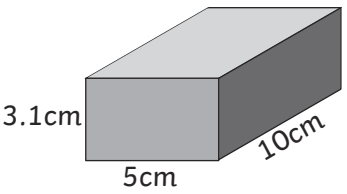
Volume = **70.3cm³**

3.



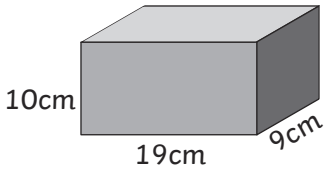
Volume = **376cm³**

4.



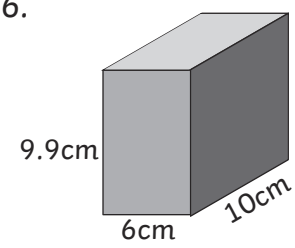
Volume = **155cm³**

5.



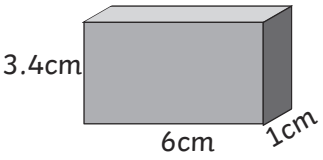
Volume = **1710cm³**

6.



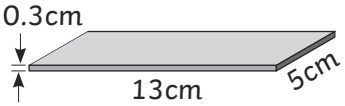
Volume = **594cm³**

7.



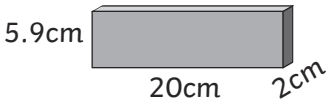
Volume = **20.4cm³**

8.



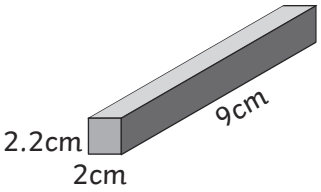
Volume = **19.5cm³**

9.



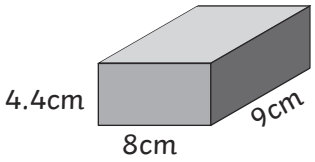
Volume = **236cm³**

10.



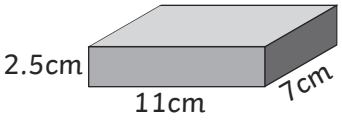
Volume = **39.6cm³**

11.



Volume = **316.8cm³**

12.



Volume = **192.5cm³**

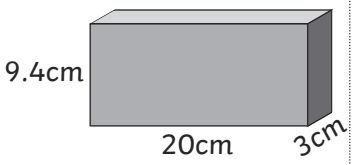
Challenge

A box supplier is asked to make a cube-shaped box with a volume of 16cm³. To the nearest 1 decimal place, what could be the dimensions of the box? **Answer 2.5cm**

Calculate Volume of Cuboid Activity Sheet (2)

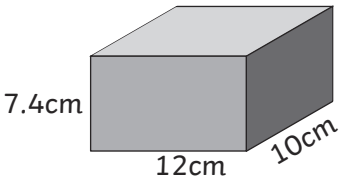
Calculate the volume of the following cuboids.

1.



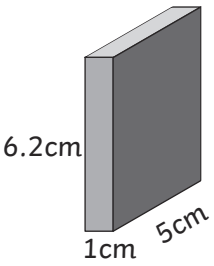
Volume = ☐

2.



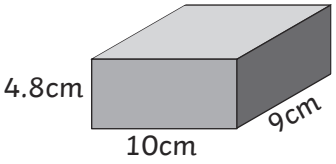
Volume = ☐

3.



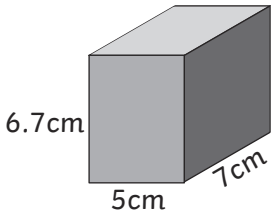
Volume = ☐

4.



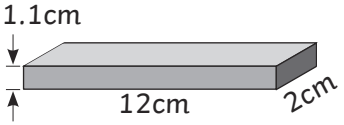
Volume = ☐

5.



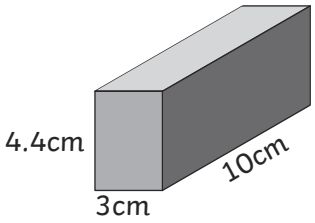
Volume = ☐

6.



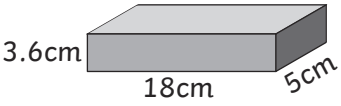
Volume = ☐

7.



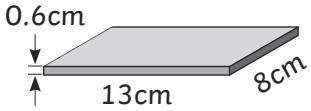
Volume = ☐

8.



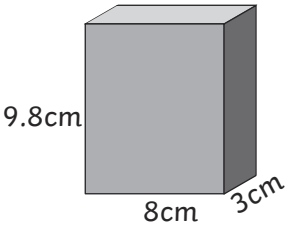
Volume = ☐

9.



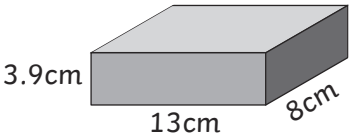
Volume = ☐

10.



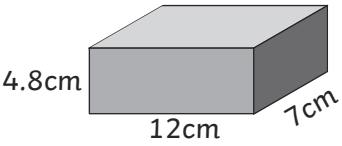
Volume = ☐

11.



Volume = ☐

12.



Volume = ☐

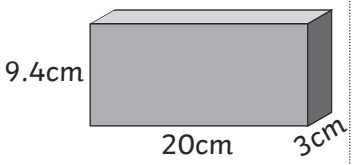
Challenge

A swimming pool has a total volume of 180m^3. The pool is 2.5m deep, and its length is twice its width. The pool is tiled on each side and at the bottom. What is the surface area of the tiles?

Calculate Volume of Cuboid Activity Sheet (2) **Answers**

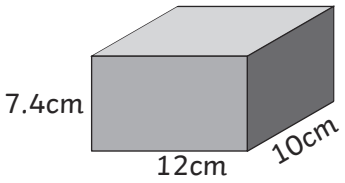
Calculate the volume of the following cuboids.

1.



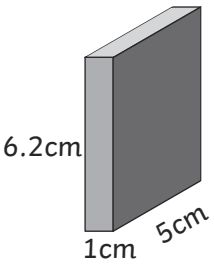
Volume = **564cm³**

2.



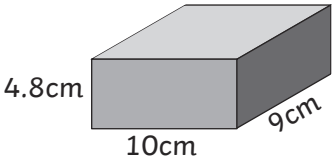
Volume = **888cm³**

3.



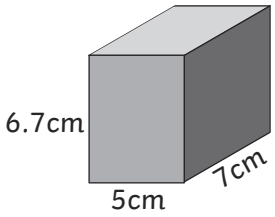
Volume = **31cm³**

4.



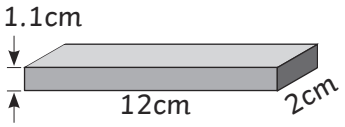
Volume = **432cm³**

5.



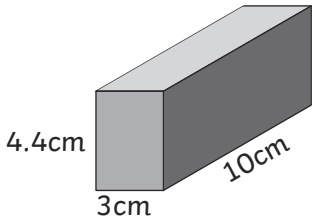
Volume = **234.5cm³**

6.



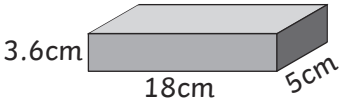
Volume = **26.4cm³**

7.



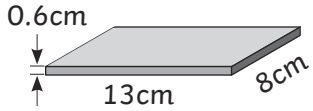
Volume = **132cm³**

8.



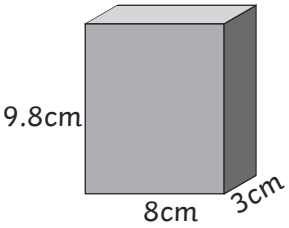
Volume = **324cm³**

9.



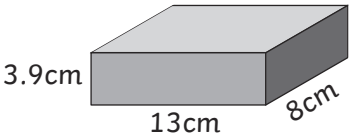
Volume = **62.4cm³**

10.



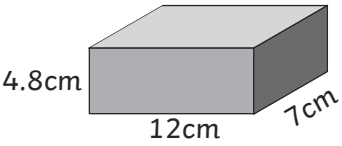
Volume = **235.2cm³**

11.



Volume = **405.6cm³**

12.



Volume = **403.2cm³**

Challenge

A swimming pool has a total volume of 180m³. The pool is 2.5m deep, and its length is twice its width. The pool is tiled on each side and at the bottom. What is the surface area of the tiles?

Answer 162m²