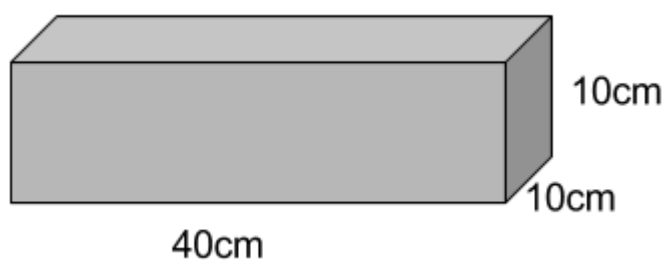**P10** (Volume) **Paper 1**   **Name:** _____
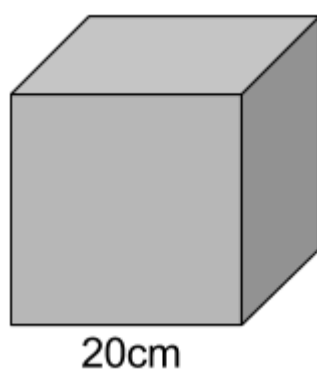
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1. Look at the cuboid below. Work out the volume of the cuboid in cm³. Write your answer in the space below.

10cm

10cm

40cm

_____cm³

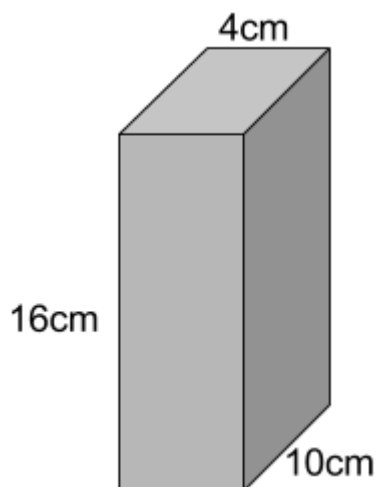**2.** Look at the cube below. Work out the volume of the cube in cm³. Write your answer in the space below.
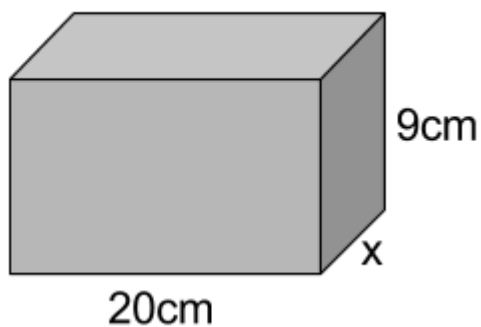
20cm

_____cm³

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3. Look at the cuboid below. Work out the volume of the cuboid in cm³. Write your answer in the space below.
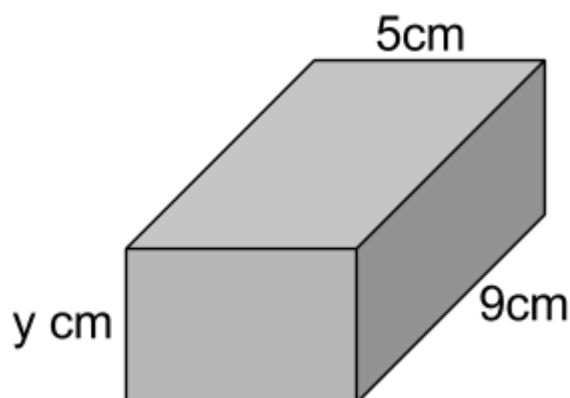

4cm

16cm

10cm

_____cm³

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4. Look at the cuboid below. Work out the value of x if the volume of the cuboid is 360cm³. Write your answer in the space below.

9cm

x

20cm

x = _____cm

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5. Look at the cuboid below. Work out the value of y if the volume of the cuboid is 135cm³. Write your answer in the space below.

5cm

y cm

9cm

y = _____cm

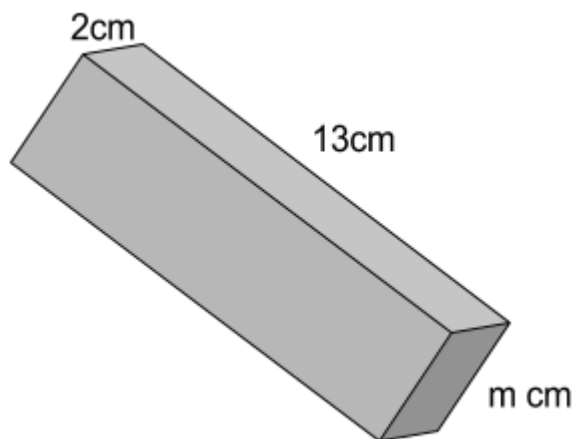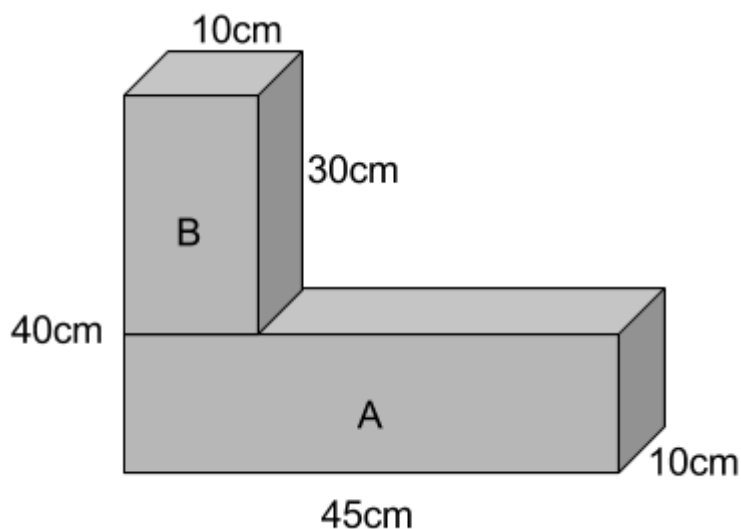**6.** Look at the cuboid below. Work out the value of m if the volume of the cuboid is 130cm³. Write your answer in the space below.
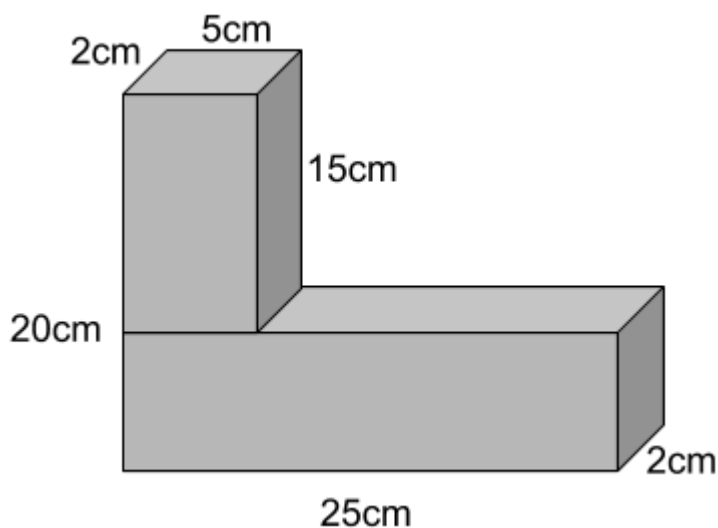

2cm

13cm

m cm

m = _____cm

---

7. Look at the shape below. Work out the volume of cuboid A in cm³. Write your answer in the space below.

10cm

30cm

B

40cm

A

10cm

45cm

A = _____cm³

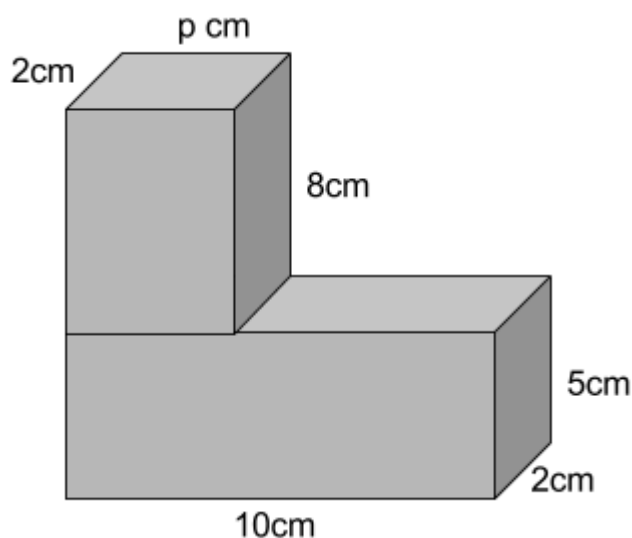**8.** Look at the shape below. Work out the total volume of the shape in cm³.Write your answer in the space below.
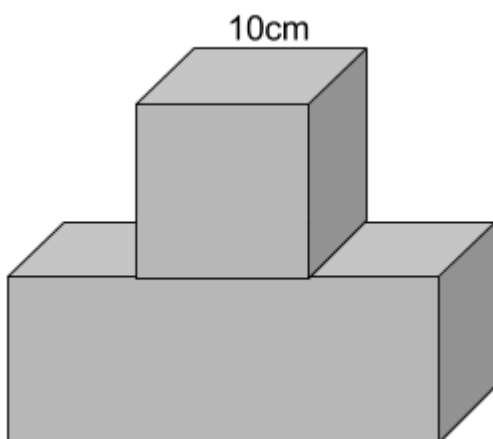

5cm

2cm

15cm

20cm

2cm

25cm

_____cm³

9. Look at the shape below. Work out the value of p if the volume of the total shape is 164cm³. Write your answer in the space below.

p = _____cm

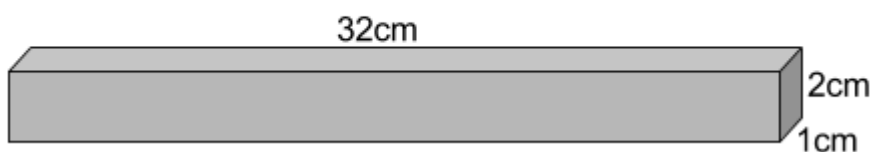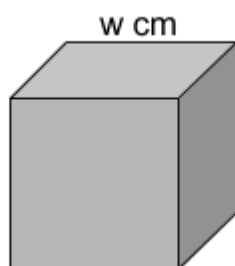**10.** Look at the cuboid and cube below. The cube has a side length of 10cm. The cuboid below is twice the volume of the cube. Work out the total volume of the cube and the cuboid. Write your answer in the space below.

_____cm³

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11. Look at the cube and cuboid below. The cuboid has the same volume as the cube. Work out the value of w on the cube. Write your answer in the space below.

w cm

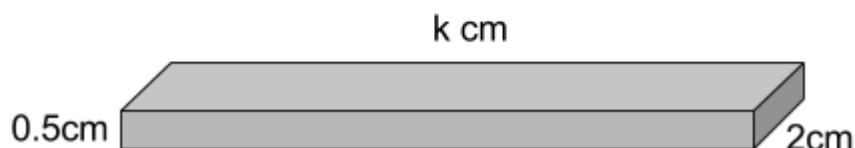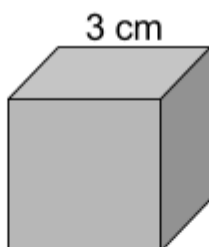32cm

2cm

1cm

w = _____cm

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12. Look at the cube and cuboid below. The cuboid has the same volume as the cube. Work out the value of k on the cuboid. Write your answer in the space below.

3 cm

k cm

0.5cm

2cm

k = _____cm

<u>Answers</u>

1. **4000**
2. **8000**
3. **640**
4. **2**
5. **3**
6. **5**
7. **4500**
8. **400**
9. **4**
10. **3000**
11. **4**
12. **27**