STIRLING TUITION

Q1 (Volume) Day 46 Name: _____

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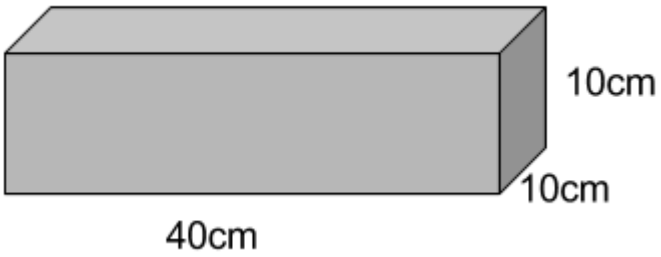
1. Look at the cuboid below. Work out the volume of the cuboid in cm^3. Write your answer in the space below.



_____cm^3

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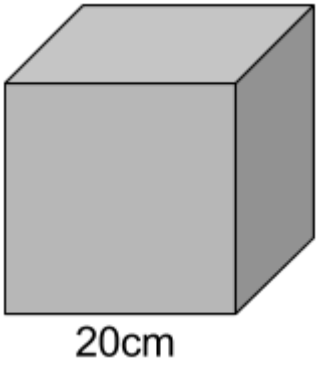
2. Look at the cube below. Work out the volume of the cube in cm^3. Write your answer in the space below.



_____cm^3

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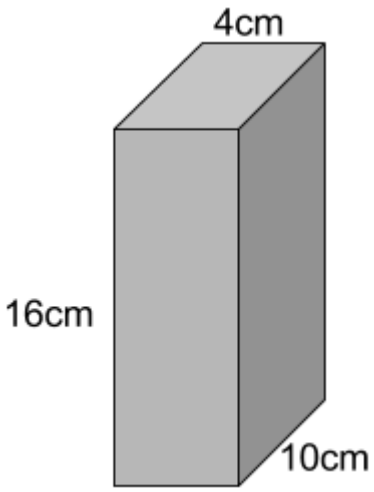
3. Look at the cuboid below. Work out the volume of the cuboid in cm^3. Write your answer in the space below.



_____cm^3

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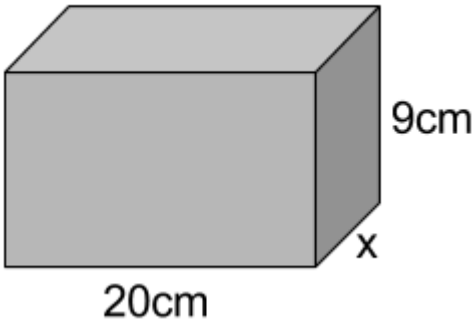
4. Look at the cuboid below. Work out the value of x if the volume of the cuboid is $360cm^3$. Write your answer in the space below.



x = _____cm

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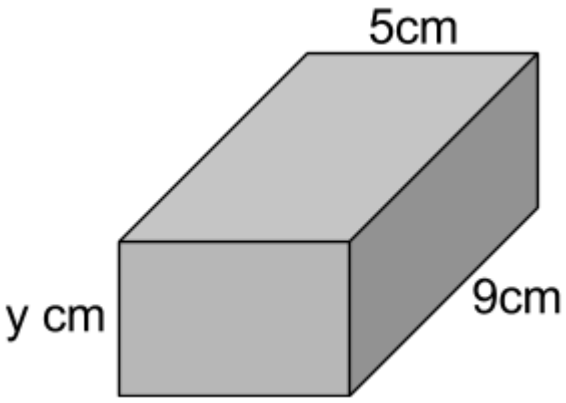
5. Look at the cuboid below. Work out the value of y if the volume of the cuboid is 135cm³. Write your answer in the space below.



y = _____cm

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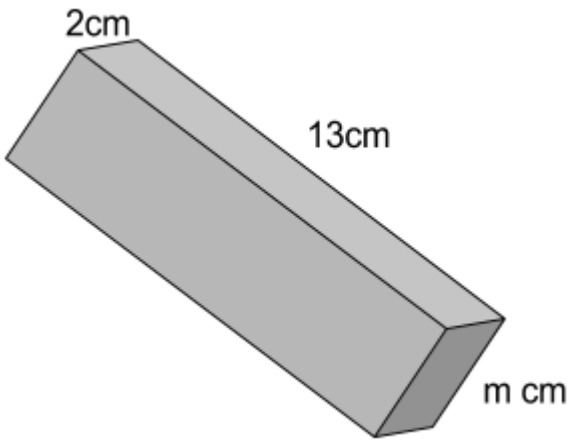
6. Look at the cuboid below. Work out the value of m if the volume of the cuboid is 130cm³. Write your answer in the space below.



m = _____cm

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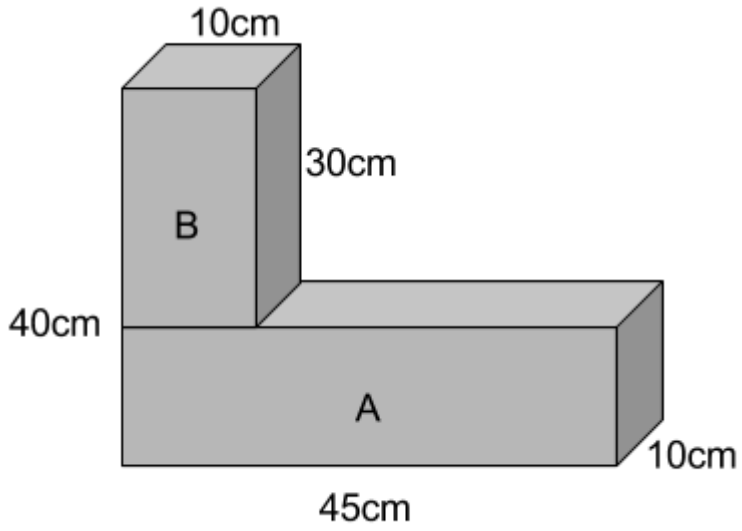
7. Look at the shape below. Work out the volume of cuboid A in cm^3. Write your answer in the space below.



A = _____cm^3

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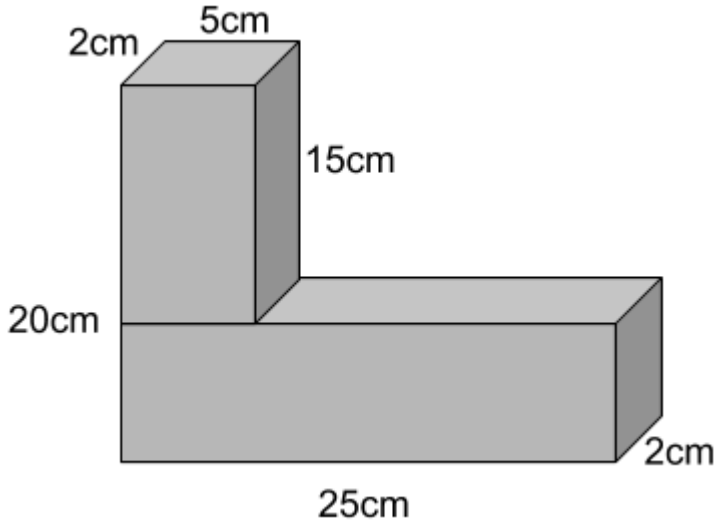
8. Look at the shape below. Work out the total volume of the shape in cm^3.Write your answer in the space below.



_____cm^3

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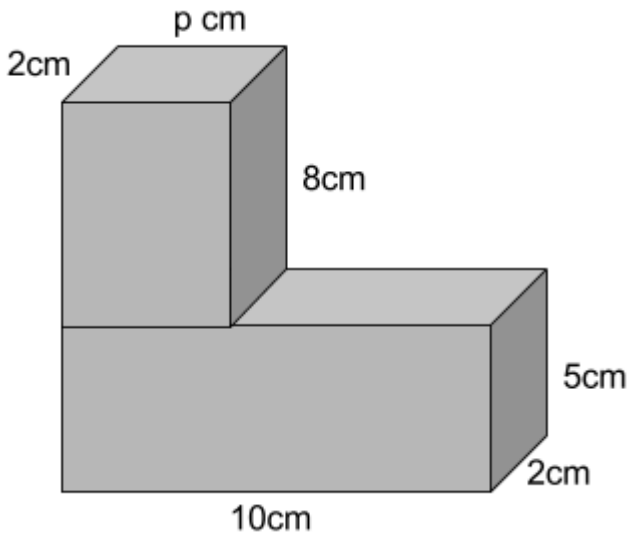
9. Look at the shape below. Work out the value of p if the volume of the total shape is 164cm³. Write your answer in the space below.



p = _____cm

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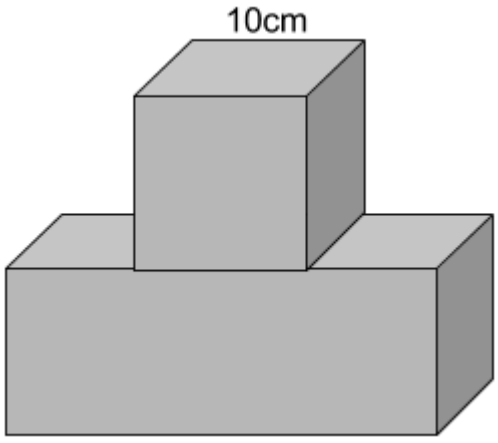
10. Look at the cuboid and cube below. The cube has a side length of 10cm. The cuboid below is twice the volume of the cube. Work out the total volume of the cube and the cuboid. Write your answer in the space below.



_____cm³

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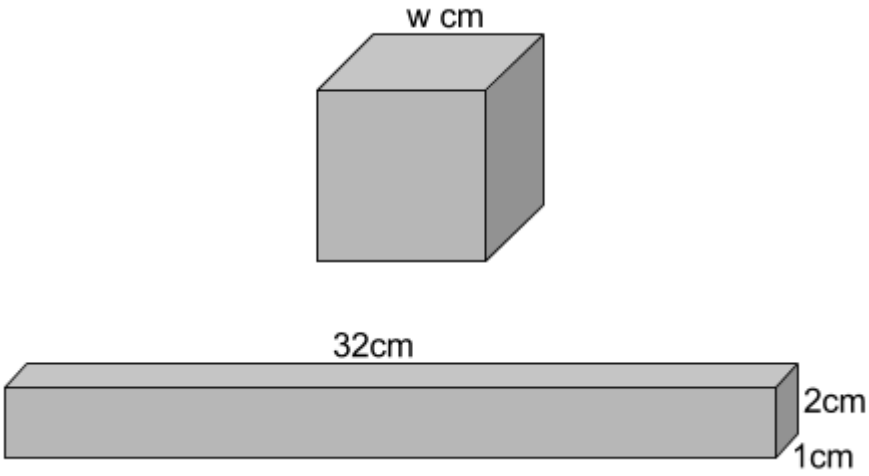
11. Look at the cube and cuboid below. The cuboid has the same volume as the cube. Work out the value of w on the cube. Write your answer in the space below.



w = _____cm

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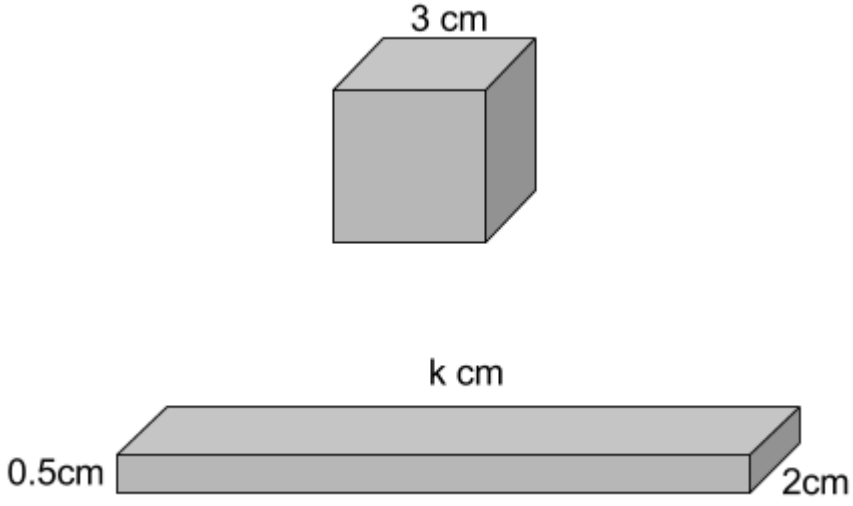
12. Look at the cube and cuboid below. The cuboid has the same volume as the cube. Work out the value of k on the cuboid. Write your answer in the space below.



k = _____cm

STIRLING TUITION

Answers

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