

Maths Brainteasers

Question 1a.

Odd Number Out Junior

Which of the following numbers
is the odd one out?

8 , 15 , 22 , 29

Ms Dillon thinks 8 is the odd one out...

Mr Connolly thinks 22 is the odd one out...

Ms Brick thinks 15 is the odd one out...

Mr Leane thinks 29 is the odd one out...

Ms Doyle says that all the teachers can be correct- Explain how?

Question 1b.

Odd Number Out Senior

Which of the following numbers
is the odd one out?

i , i^4 , π , $\frac{1}{3}$

Question 2



Odd Number Out - 3

Which of the following numbers
is the odd one out?



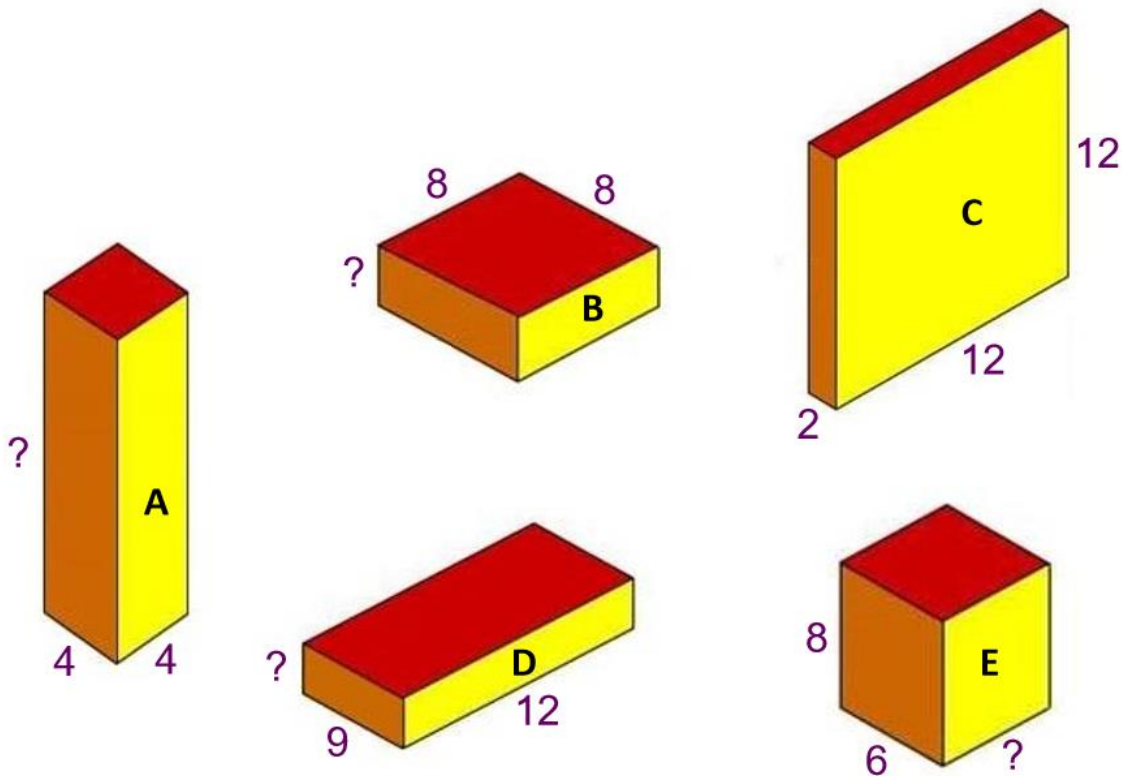
Max , Mean , Range , Symmetric

Question 3:

The mean of 16 items was found to be 30. On rechecking, it was found that two items were wrongly taken as 22 and 18 instead of 32 and 28 respectively. Find the correct mean.

Question 4

Each of these cuboids has the same volume; find the missing lengths

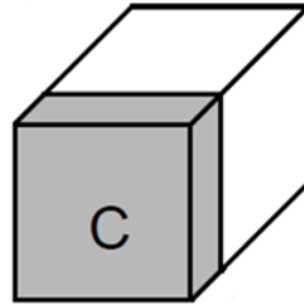
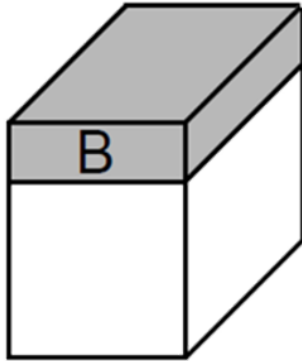
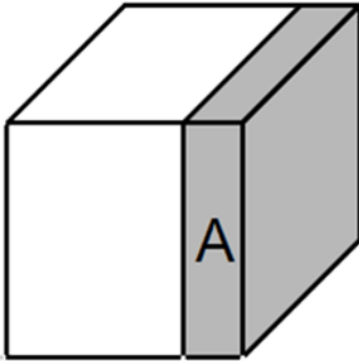


Question 5:

A tower of 30 identical wooden blocks is 4.5 metres tall. What is the distance from the bottom of the 17th block to the top of the 24th block?

Question 6

A cube has edges of 10cm each. Three slices, each of thickness 2cm, are cut off the cube. Slice A is cut off the side, then slice B is cut off the top and then slice C is cut off the front. What is the volume of the section remaining?

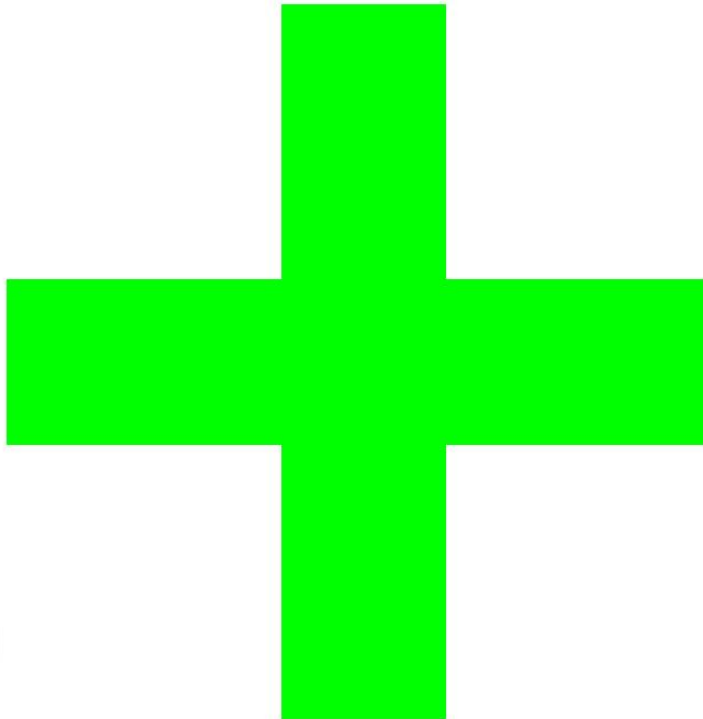


Question 7



The Limerick Cross

The green cross below is formed by two 8m by 2m rectangles. What is its area?



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