

# MG = 1 day to go!

Make sure that you have all your stuff... Protractor, ruler, pencil, compass....

And good luck

- 2 Jess has a large wooden chest in the shape of a cuboid.

The inside of the chest is 130 cm long, 40 cm wide and 20 cm tall.



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Jess has a collection of one hundred 10 cm cubes.

Can all of her cubes fit into the chest?

**Justify your answer.**

Answer \_\_\_\_\_ because \_\_\_\_\_ [3]

12 The word lengths of the first 60 words in a book were recorded.

The table below shows the probability of some of these word lengths.

Number of letters	Probability
1 – 2	0.1
3 – 4	0.25
5 – 6	0.45
7 – 8	0.15
9 or more	

The first chapter contains 7500 words.

How many words of 9 or more letters would you expect in the first chapter?

Answer \_\_\_\_\_ words [4]

17 Make  $n$  the subject of the formula

$$y + 8 = n - 4$$

Answer  $n =$  \_\_\_\_\_ [2]