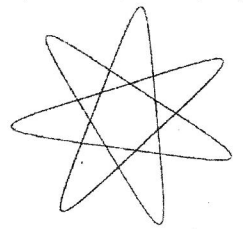


# PROBLEM OF THE WEEK



Name & Surname: Sasha Stringer Class: 4.4

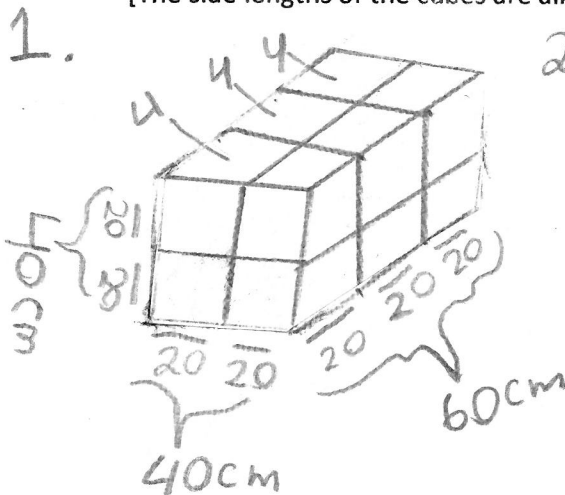
Grade 4 & 5 2025 # 22

Hand in by Thurs 7 Aug

We want to build a box with the measurements 40 cm x 40 cm x 60 cm out of cubes.

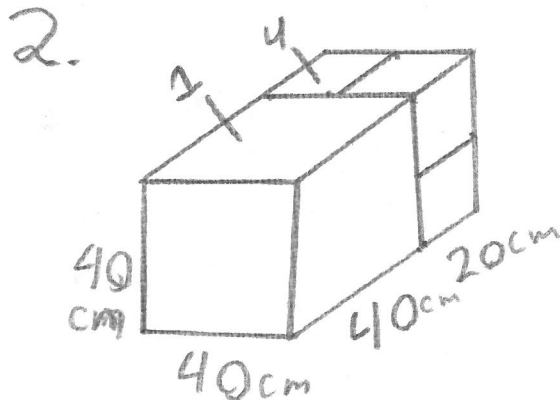
1. If the cubes are identical, what is the smallest number of cubes needed?
2. If the cubes do not have to be identical, what is the smallest number of cubes needed?

[The side lengths of the cubes are all whole numbers]



20 can be times into 40 and 60.

$4+4+4=12$  Smallest number of cubes needed.



$$60 - 40 = 20 \text{ cm}$$

$1 + 4 = 5$  Smallest number of cubes needed.

Hand in by 1500 on Thursday (place in the box outside the foyer). The best solution (not just the answer) will be announced on Friday. The solution will be posted on the website:

<http://markrushby001.wixsite.com/sv-maths/problem-of-the-week>