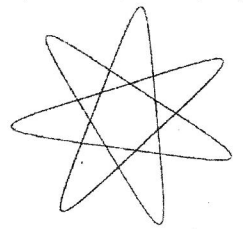# PROBLEM OF THE WEEK

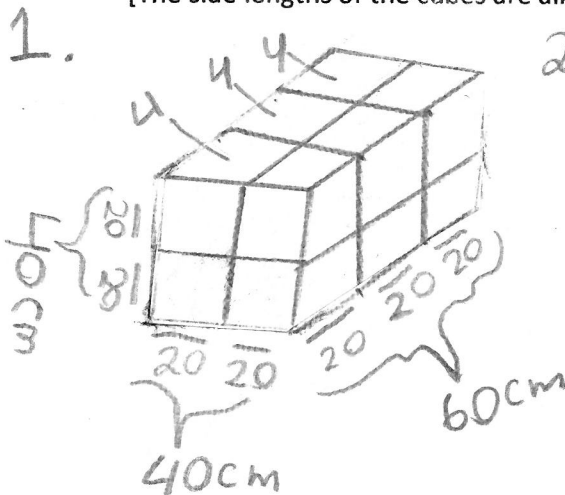Name & Surname: _Sasha Stringer_____ Class: _4.4_

Grade 4 & 5   2025 # 22

Hand in by Thurs 7 Aug

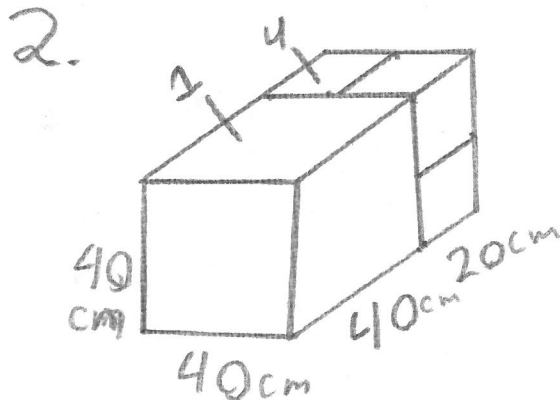We want to build a box with the measurements 40 cm x 40 cm x 60 cm out of cubes.

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]

1.

20 can be times into 40 and 60.

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

4 4
4
20 20
40 20 20
30 8
20 20 20
60cm
40cm

2.

60-40=20cm

1+4=5 smallest number of cubes needed.

1 4
40 cm
40cm 20cm
40cm