

CLASSE II

Dear Friends

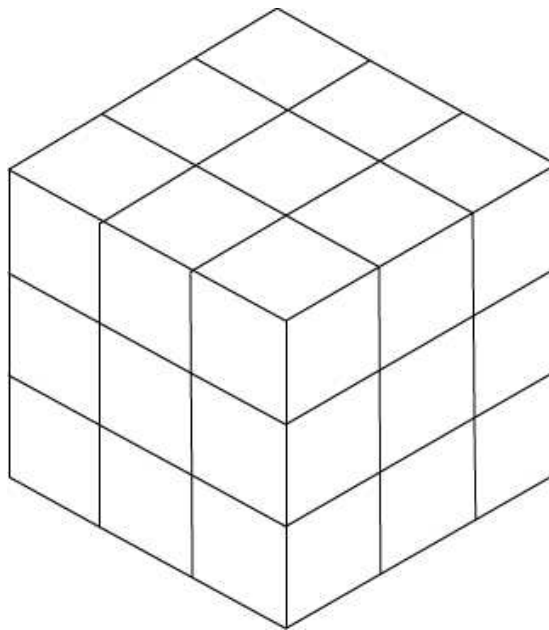
As predicted, I already need your help: are you ready?

This year, Madame Rasoia has decided to send to us, for all homework performed well, a cube of wood.

We are giving it our best try and have already collected a good sized mountain of identical cubes.

The teacher has not explained to us why she has taken this step, but we like these cubes a lot, because we can use them for many games.

Only yesterday, while we were playing during the long break, Madame Rasoia gave us a challenge: she had built this cube



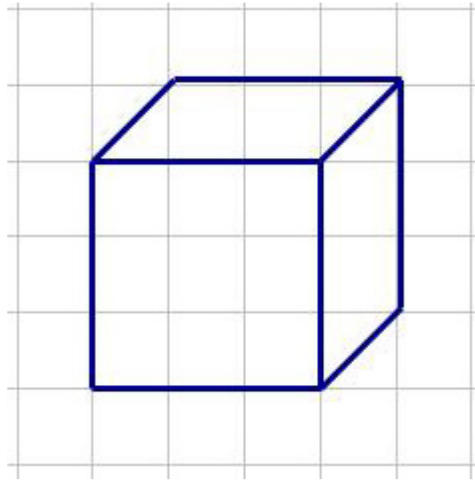
formed with some of our cubes and asked us:

- are you capable of making, using all the cubes that I used or only some of them, two different shapes?
- which of the two shapes that you have made take up more space in our your class? Why?

Then she said to us that the new shapes must be free standing and every cube of a shape must have at least one face in common with another.

She also suggested to us to ask for your help to have many from which to choose and to tell you to do it like this:

- every group builds at least two of them, giving them a name and trying to draw them, bearing in mind that you draw a cube like this:



- Then the class chooses two of them (the best, please!) and send them to me or draw them (do not send me photos because I do not have enough space to receive them on the School's PC) or tell me how you built them (please, dictate the instructions to your teacher. I know that like me, you are not yet so fast at writing and I don't want you to lose too much time!)

What do you think about it? Do you think you can do it?

It seems really difficult to me, but Madame Rasoia has given us two weeks to respond to the challenge. Can you give me a hand?

Thank you and greetings from your friend

Mavo