

Boxes from a rectangle

Your teacher will show you how to make a box by folding a piece of paper twice.

Cut out a rectangle of grid paper that is 4 cm high and 8 cm wide.

How many different boxes can you make by folding this paper? _____

How many 1 cm blocks can you fit into each different box?

Cut out a rectangle of grid paper that is 4 cm high and 12 cm wide.

How many different boxes can you make by folding this paper? _____

How many 1 cm blocks can you fit into each different box?

Why do you think that different boxes made from the same rectangle have different capacities?

If you had a rectangle that was 4 cm high and 10 cm wide, how many blocks do you think would fit into the boxes you made from it?

If you had a rectangle that was 100 cm high and 200 cm wide, how many blocks do you think would fit into the boxes you made from it?
