L.O: **Apply** and extend ideas of perimeter and area to **understand** volume

Create a box with the largest volume for a given piece of paper

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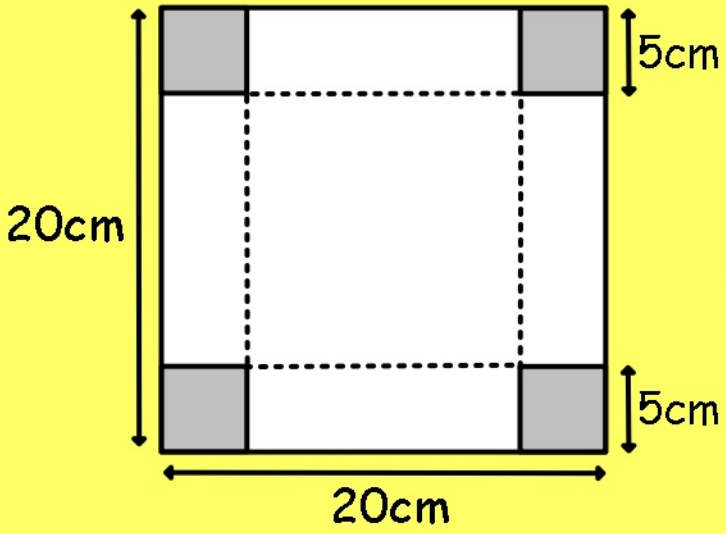
This will fold to make a box (without a lid)...



Accurately make this box

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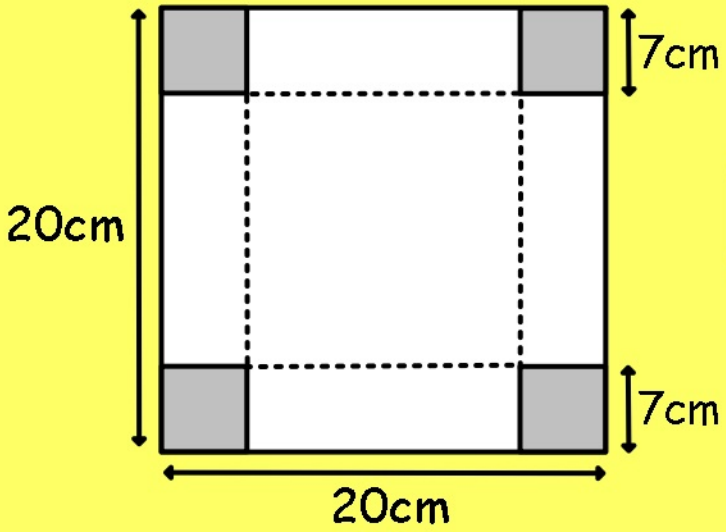

Accurately make this box

What are the differences between the two boxes you've made?

Which box do you think will hold the most? (Or will they hold the same amount?)

How could you convince the rest of your team about this?

How we used the weighing station to support our answers

Our biggest box

Extending our ideas...

Which box has the smallest volume?

If I gave you a different starting piece of paper, could you find the largest box more quickly, using what you've discovered already?