

## The biggest boxes

Merinda has a square piece of paper with 10 cm sides.

What would be the capacity of the box she made by cutting 1 cm squares from each corner?

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What would the capacity be if she cut out 2 cm squares from each corner?

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What would the capacity be if she cut out 3 cm squares from each corner?

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What would the capacity be if she cut out  $x$  cm squares from each corner?

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Use a spreadsheet to find the biggest box you can make this way, starting from a 10 x 10 square of paper. What is the capacity of this box?

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