

What is area?

1 a) Work with a partner.

Use 4 sticky notes to make as many different rectilinear shapes as you can.

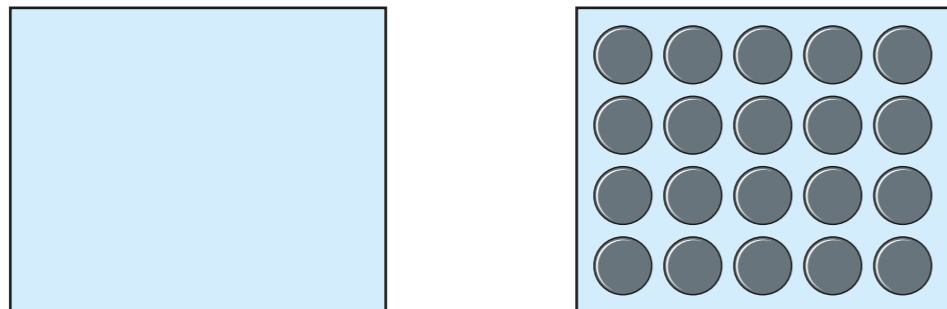
How many different shapes did you make?

5

b) All of the shapes that you made have the same area.

Explain how you know that this is correct.

2 Amir covers a rectangle with some counters.



a) Amir thinks the area of the rectangle is exactly 20 counters.

Is Amir correct? NO

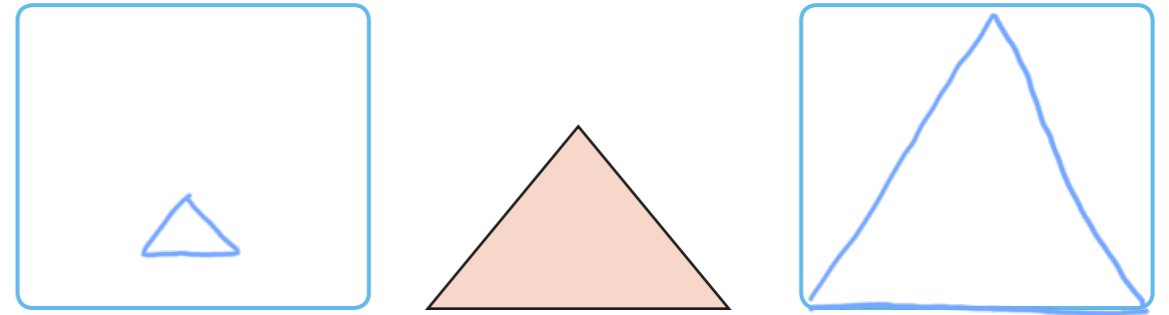
b) Explain why counters are not the best way to measure area.

They are round so don't fill the space.



3 Eva draws this shape.

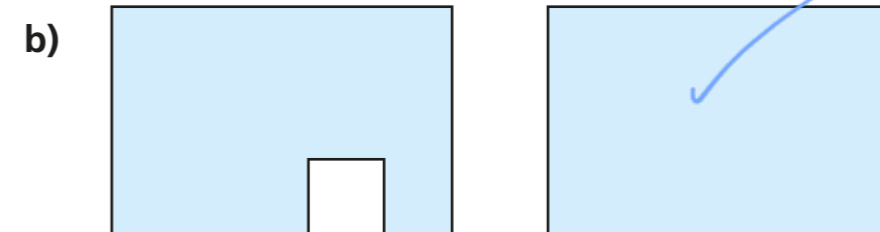
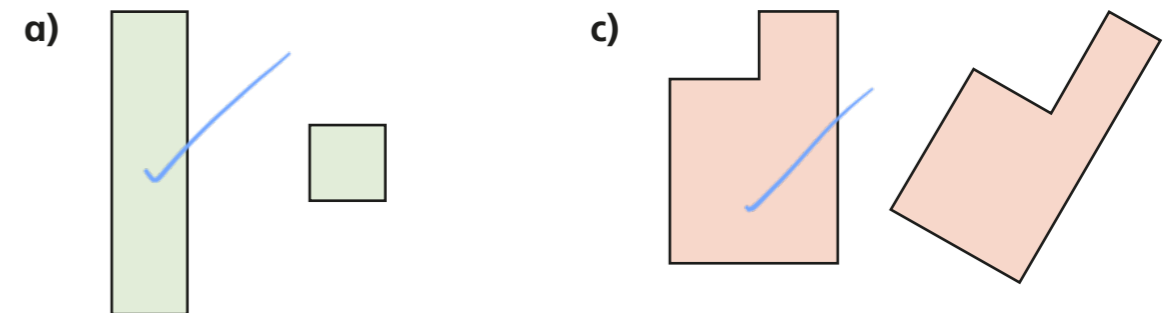
E.g.



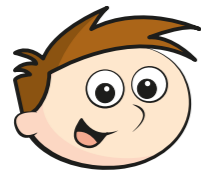
a) To the left, draw a triangle with a smaller area

b) To the right, draw a triangle with a greater area.

4 For each pair of shapes, tick the shape with the greater area.



5



A longer object will always have a greater area than a shorter object.

Do you agree with Teddy? No

Draw a picture to support your answer.

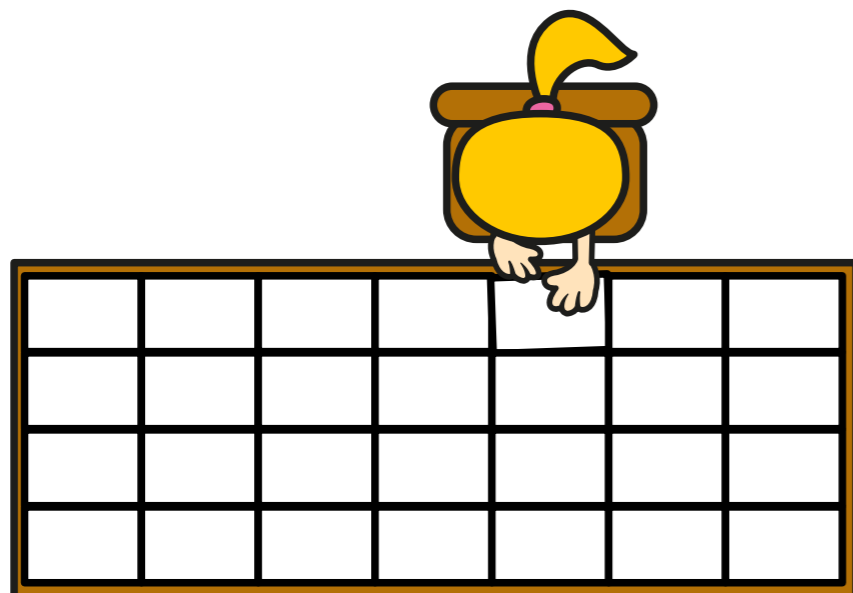
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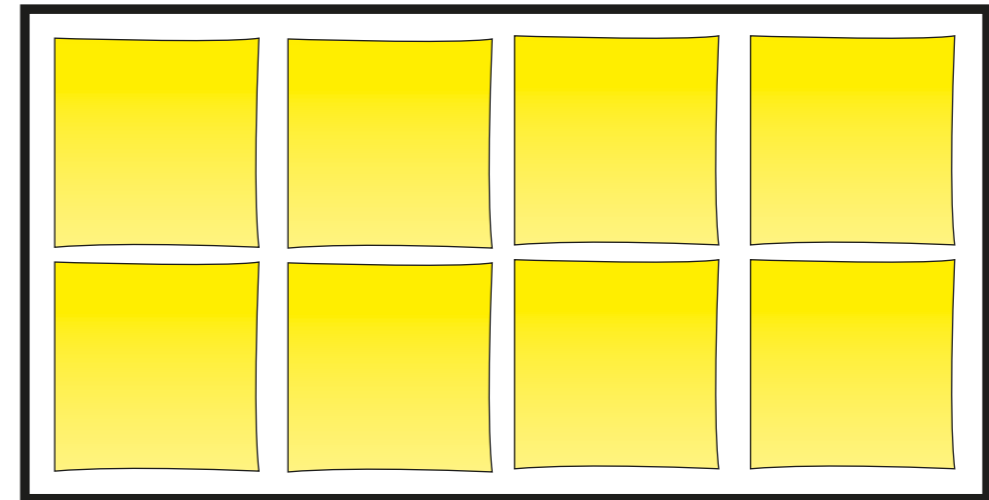
6

Eva is measuring the area of the tabletop.

She has covered the table with exactly 28 sheets of paper.



She covers one sheet of paper with sticky notes.

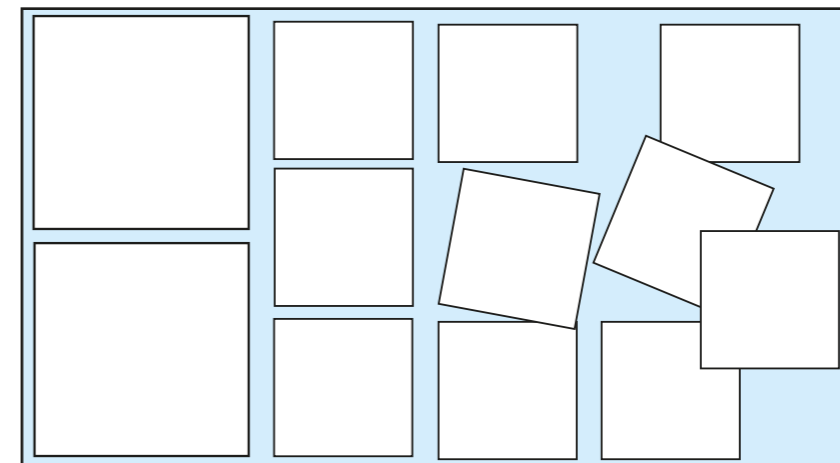


What is the area of the **tabletop** in sticky notes?

224 sticky notes

7

Kim thinks the area of the rectangle is 12 squares.



Is Kim correct? No

How do you know?

