

MATHMAG

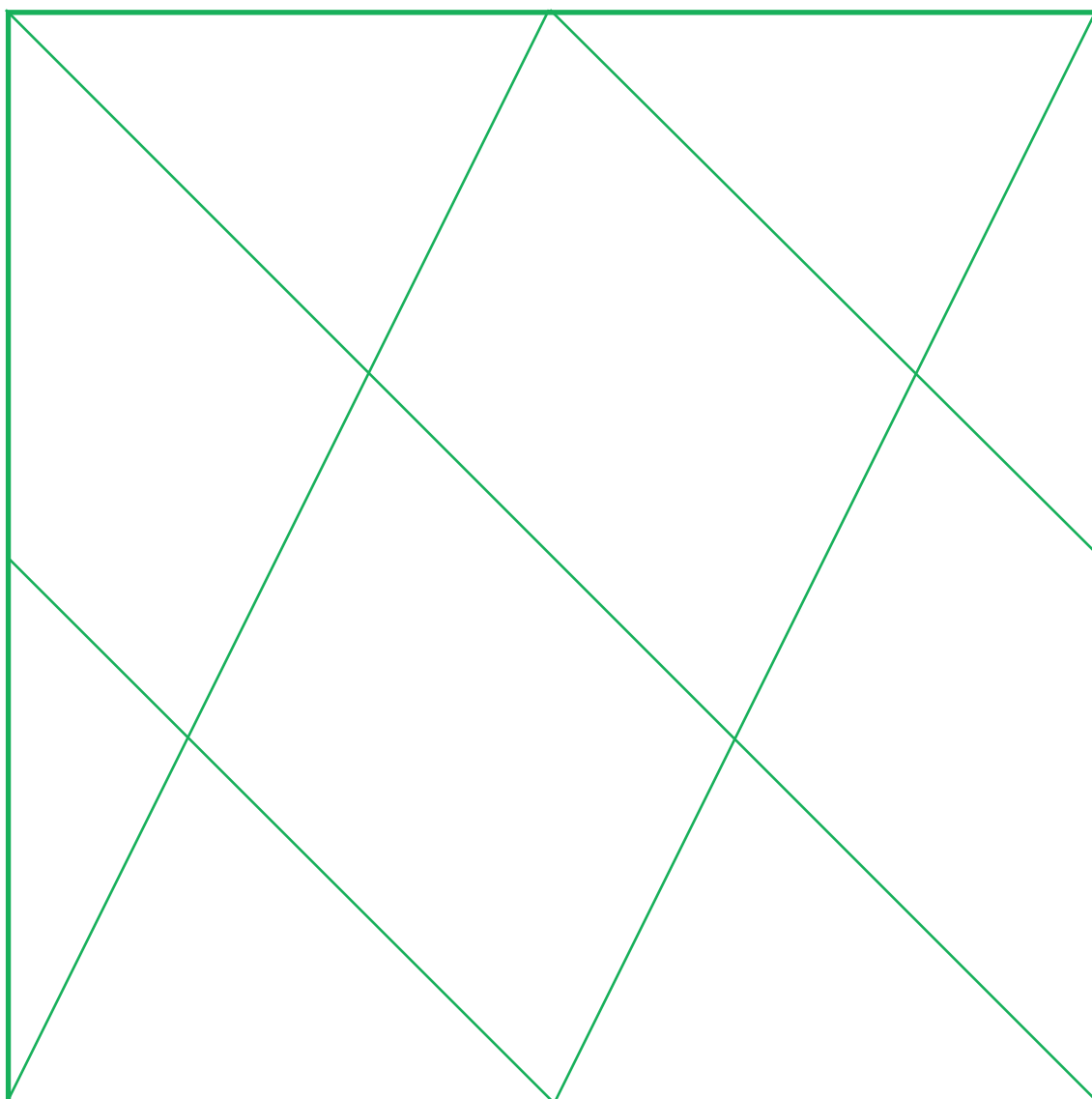
1. THE SQUARE

All of the puzzles in this edition will require spatial thinking as you move the pieces around.

Cut up this square into ten pieces.


Now try to make the square again.

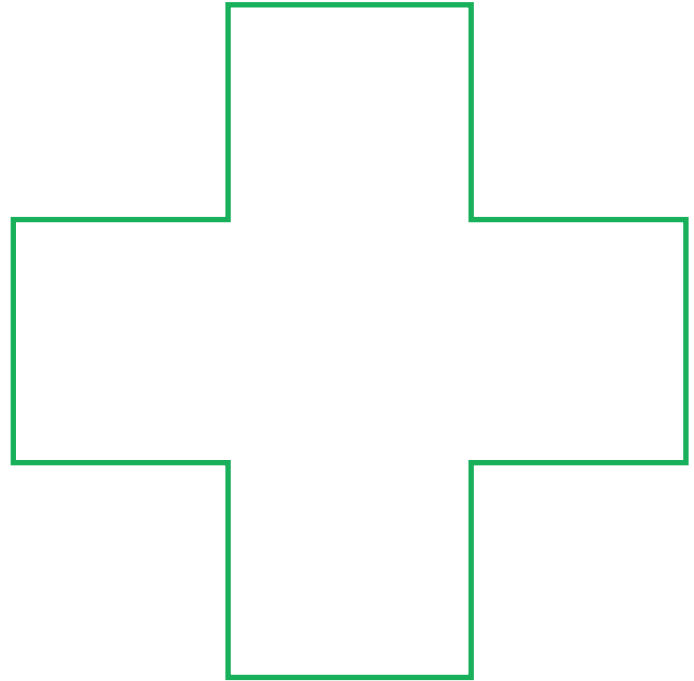
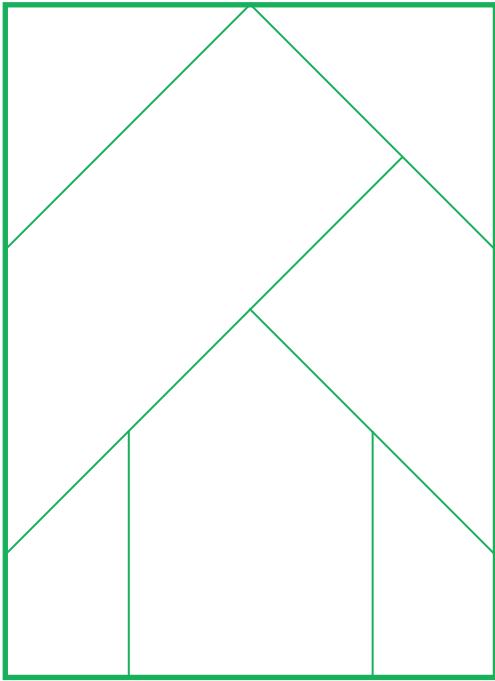
Before you start, look at the square - you may never see it again!



2. MAKE A SHAPE

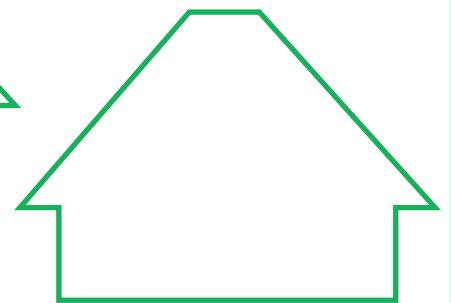
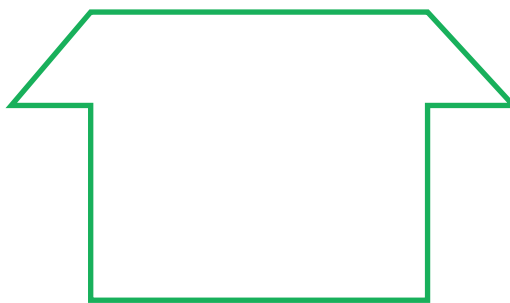
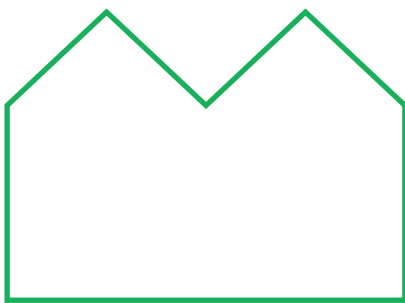
Carefully cut out the 7 pieces.

Try using them to make the  shape next to it.



Draw in where the pieces fit.

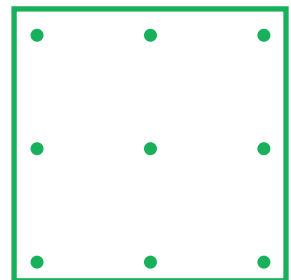
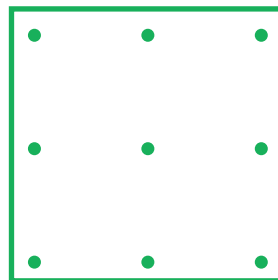
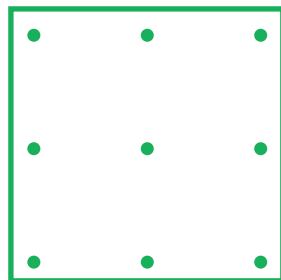
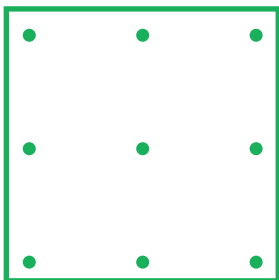
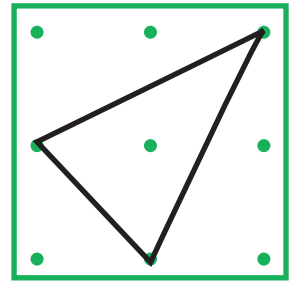
Try to make the following shapes using the 7 pieces.



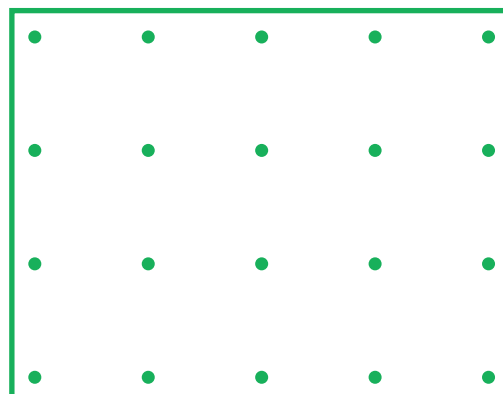
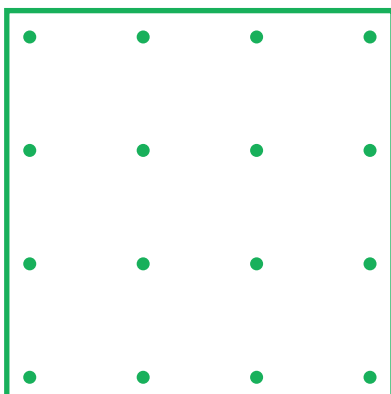
3. ISOSCELES TRIANGLES

Here is an isosceles triangle drawn on a 3 x 3 geoboard.

Can you draw any more?

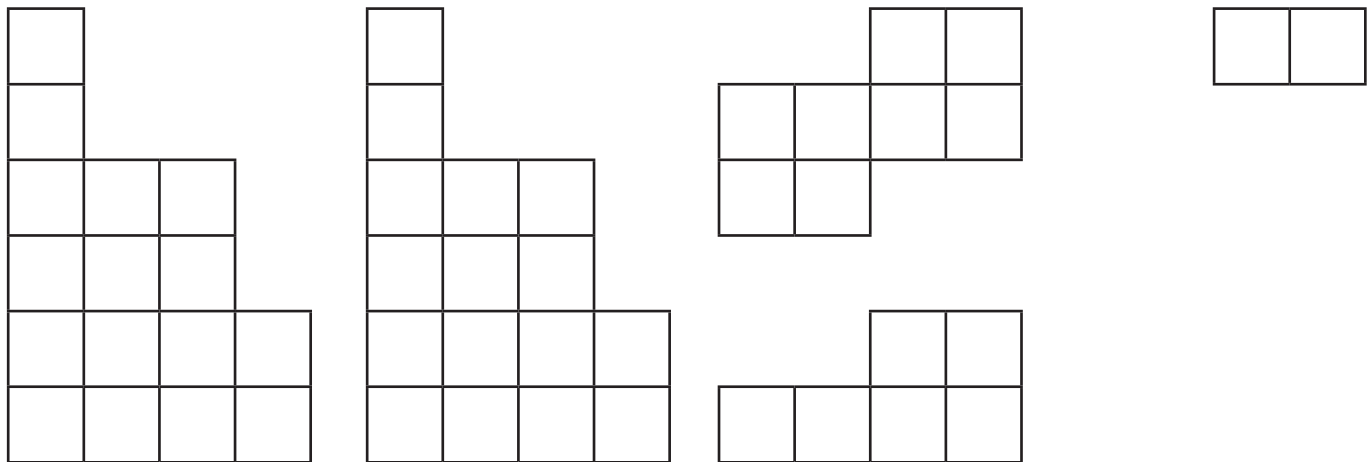


How many different isosceles triangles can you draw on the 4 x 4 and 4 x 5 geoboards?



4. MAKE A RECTANGLE

Copy and cut out these pieces. Can you use them to make a rectangle 4 cm by 12 cm?



Can you use them to make a rectangle 6 cm by 8 cm?

ANSWERS

3 (Isosceles Triangles):

5 for the 3 x 3 grid

9 for the 4 x 4 grid

10 for the 4 x 5 grid

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