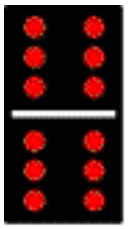
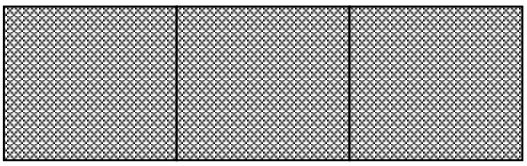
Pentominoes

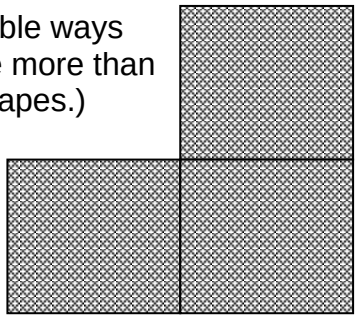


A DOMINO is made up of 2 adjoining squares.

There is only one way to fit 2 squares together (edge to edge) so there is only one possible shape for a domino.

A TRIOMINO is made up of 3 adjoining squares. There are 2 possible ways that these can be fitted together. (Although you may think there are more than 2, the others are either a “reflection” or a “rotation” of the 2 basic shapes.)

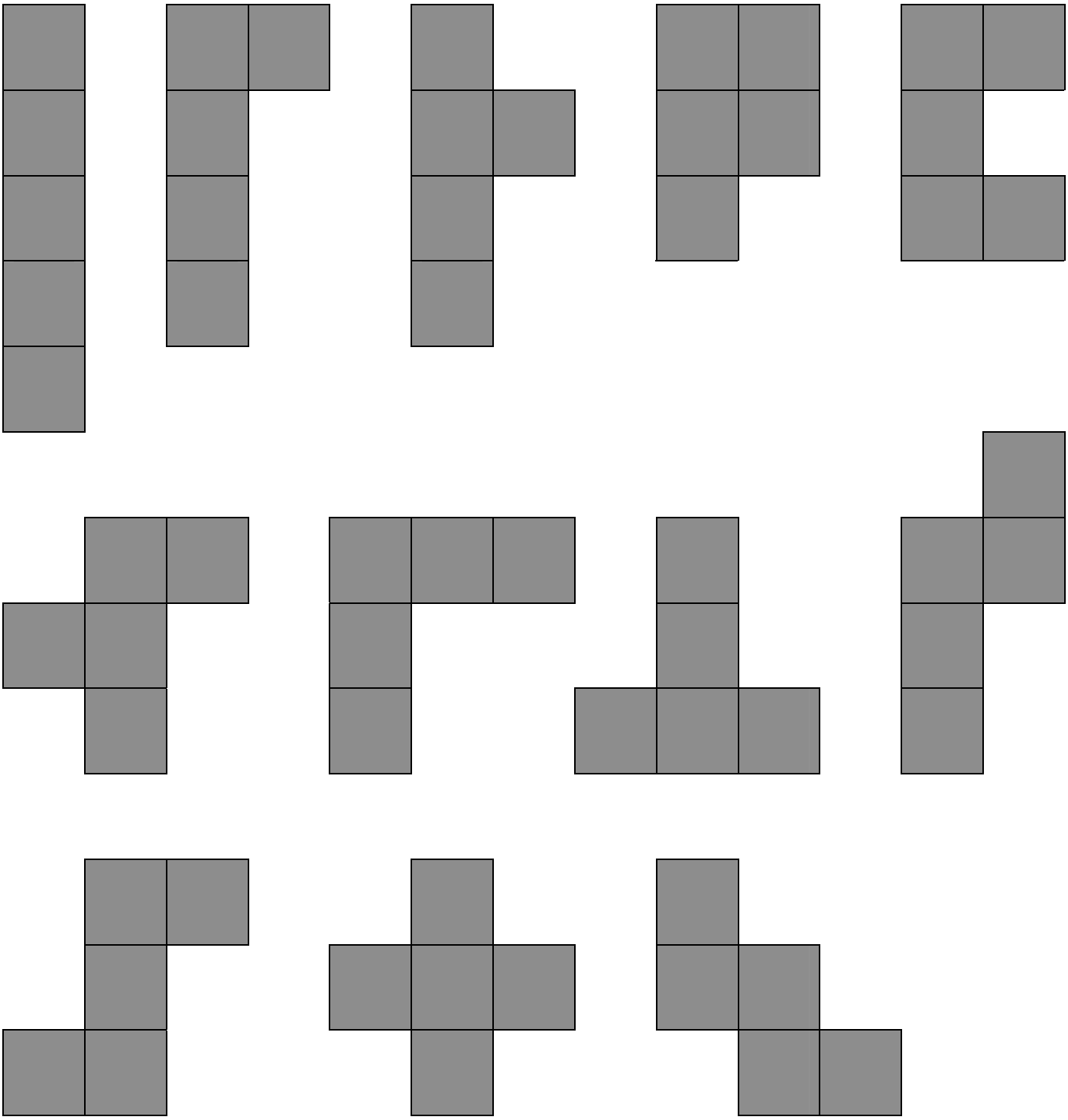




A QUADROMINO is made up of 4 adjoining squares. There are 5 different ways that these can be fitted together. Can you draw the 5 different shapes (neatly!) in the spaces below?

A PENTOMINO is made up of 5 adjoining squares. Can you discover the 12 different shapes that can be made? Draw them in the spaces below. Make sure you don’t repeat any!

Pentominoes Answers



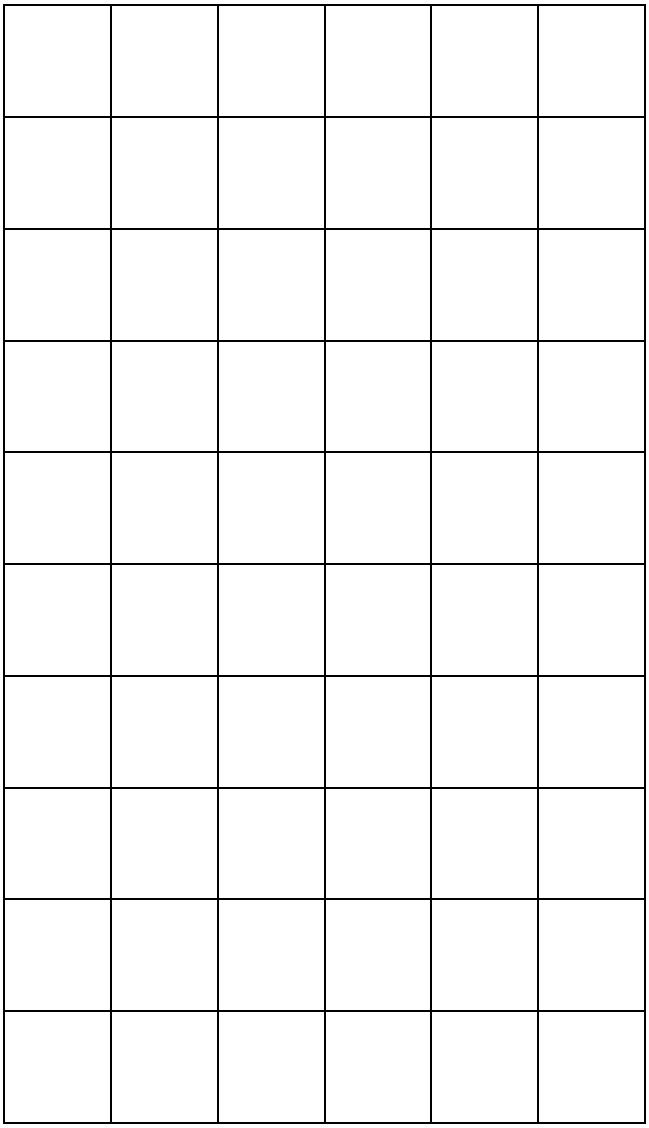
Pentominoes Puzzler

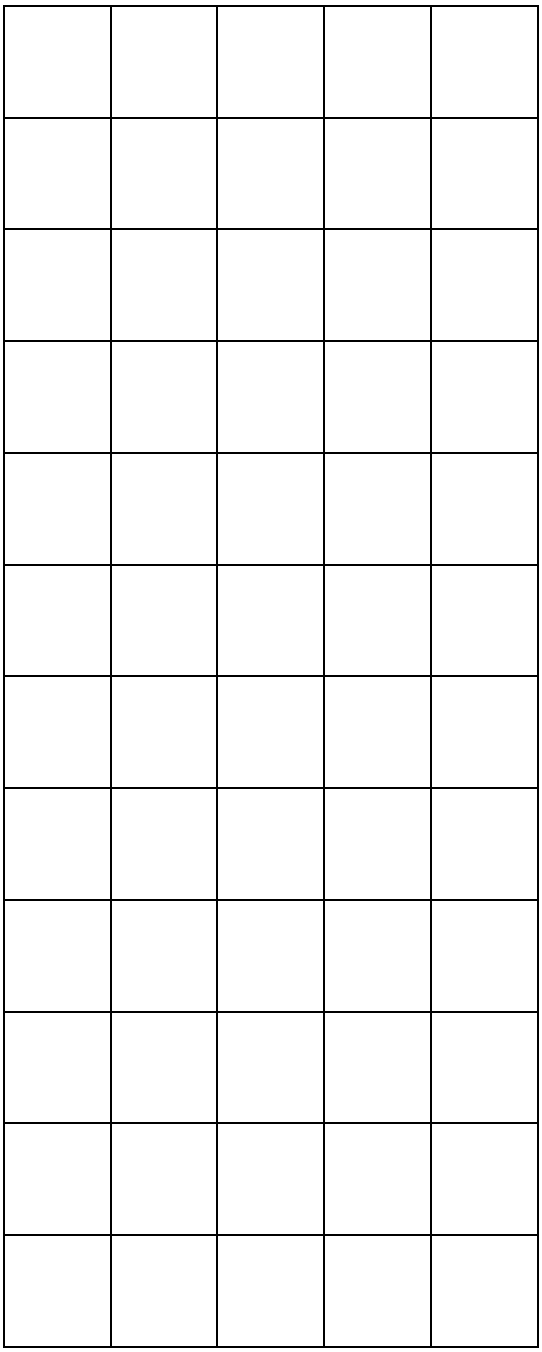
It is possible to fit the 12 pentomino pieces together (like a jigsaw) to form a 6 x 10 grid.

It is also possible to fit the 12 pieces together to form a 5 x 12 grid.

You can turn the pieces round – or even turn them over – but you can only use each piece ONCE.

Cut out the pieces from the “Pentominoes Answers” sheet and use the grids on this page to help you solve the puzzle.





HEALTH WARNING
This is a really fascinating puzzle –
but it can take AGES – and will drive you crazy!

BRAINBOXX