

Sort the Street

<https://nrich.maths.org/5157>

Here is a picture of nine of the houses in my street:



Find as many different ways to sort them into groups as you can.
Questions for pupils: What do you notice that is the same about some houses?
How are other houses different?

Guess my Secret

This game can be played in pairs or small groups. A random subset of about 12 attribute (logic) blocks is selected and a hoop is placed on the table or floor. One child chooses a secret attribute and becomes the keeper of the hoop. They may keep an attribute card as a reminder. The other children present blocks one by one. If the block has the secret attribute the keeper indicates it goes into the hoop. Blocks which do not have the secret attribute are placed outside the hoop (as in a Venn Diagram). The aim of the game is for the children to guess the secret. Up to three attributes could be chosen for the block that will be allowed into the hoop as a greater challenge.

(Ready Set Go Maths)

The Missing Piece

This game can be played in pairs or small groups. Arrange a simple structured two-property collection on a grid (see below). The rows are determined by colour and the columns by the type of shape. The first child closes his/her eyes while the other child removes one piece. He/she opens their eyes and describes the missing piece. The piece is replaced on the grid and the second child has his/her turn. The grid can be expanded to make the game more challenging. The grid could also be removed and the pieces presented in random order so that the children either regroup the pieces mentally or manually.

(Ready Set Go Maths)

		
		
		

