How many can you flind?


There are

triangles

There are

regular hexagons

## There are

$\square$ parallelograms

## There are


rhombuses

All the rectangles on this map are 200m by 100m and show the roads between my home and the gym.


I want to run from my home to the gym. How far is the longest route l can take that doesn't use any road or junction more than once?

Can you work out what the next number should be in each of these number sequences?

$2,4,6,30,32,34,36,40,42,44,46,52,54,56,60,62,64,66$


Cops and Robbers
In this game, the police officer must catch the robber by being in the same circle. Players take in in turns to move along the red lines to an adjacent circle. The police officer moves first.


What should the police officer's strategy be? What is the most moves she'll ever need to make in order to be sure of catching the robber?


# Move any four matches to create 5 equilateral triangles. 

