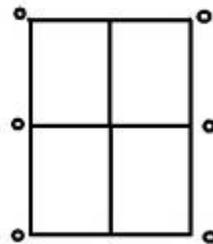**Continue down South King Street. Find an area of grey and black pavement stones surrounded by six lampposts.**

4) Stand by one of the four corner lampposts, on the black pavement stone.

Only walking on the black pavement stones, find as many routes as you can to the lamppost in the diagonally opposite corner to you.

You may move forwards or sideways but never backwards.

How many different routes can you find? _____

www.mathsweek.ie

Maths in the City

South King Street Dublin 2

This trail is designed to show young people that maths is related to the real world around them and that while challenging, maths can be enjoyable.

Maths Week Ireland is an all-Ireland celebration of mathematics and its applications. There are over 30 partner groups throughout Ireland. The festival is coordinated by CALMAST at Waterford Institute of Technology

Waterford Institute of Technology

CALMAST

Centre for the Advancement of Learning of Maths, Science and Technology
www.calmast.ie

This maths trail was developed by Steve Humble, www.ima.org.uk/Education/DrMaths/DrMaths.htm
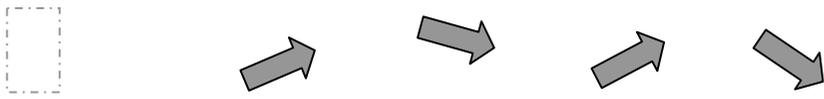
Walk down King Street South towards the Gaiety Theatre.

1) Look around you. What shapes can you see?
Draw a circle around each of the shapes below as you find them.

Square   Rectangle   Circle   Oval   Triangle
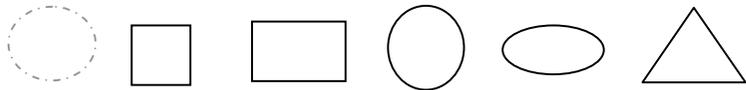
Hexagon   Trapezium

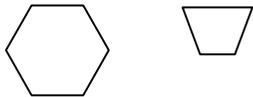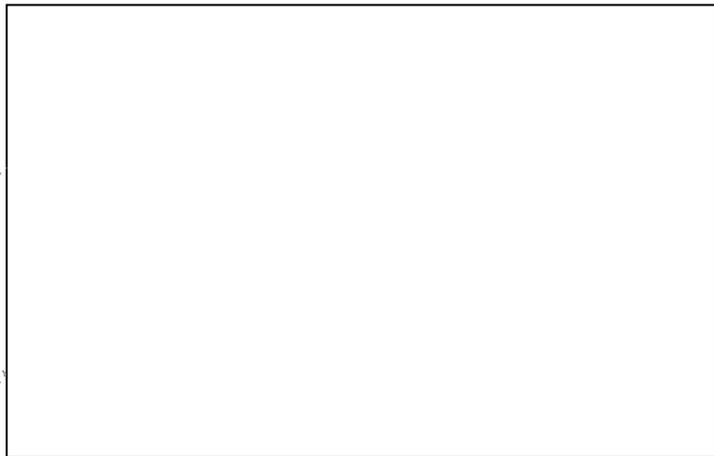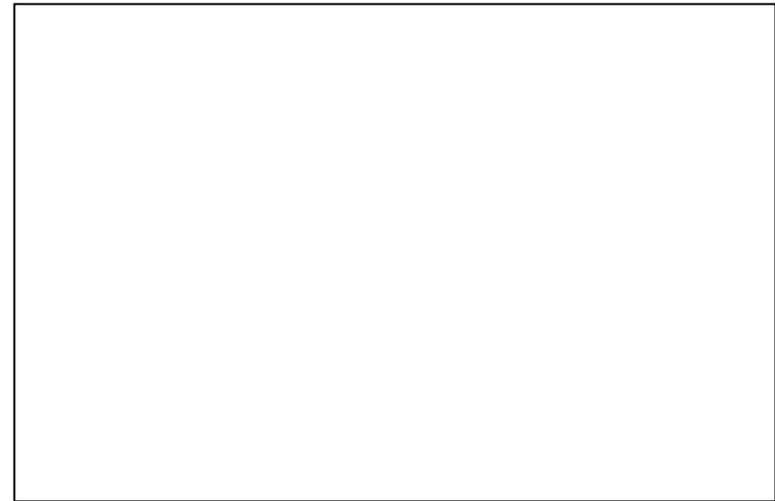Throughout your mathematical walk down South King Street - look out for different shapes, and draw them in the box.

2) You will see some regular rectangular patterns in the pavement. Using only these rectangular shapes draw a different **regular** pattern which could have been used to make the pavement.

3) Make six words from the letters in

King Street South

_____   _____

_____   _____

_____   _____

Estimate how many words can be found?

_____