# Cambridge - Green Maths Trail

Name(s): _____

Date: _____

1. Jesus Lock Footbridge - Which 2D and 3D shapes can you see from here?

2. The River Cam - Count the houseboats on the river. If one boat is 20m long, what would the total length be if you lined them all up end to end.

3. Playground/Victoria Bridge - a) Find and sketch an acute angle, an obtuse angle and a reflex angle in or around the playground. b) Stand opposite the boathouse next to the bridge. Can you find an area with one line of symmetry, tan area with two lines of symmetry and an area with rotational symmetry?

4. Signpost/Victoria Bridge - Facing the bridge, at the fork in the footpath, look at the signpost showing times to walk to other locations. Use this information to estimate the number of steps and/or distances to reach these locations.

5. Jesus Green footpath - At the crossroads in the path, choose a large tree. Estimate how many people it would take to encircle the trunk if they linked arms and then check your estimate with some friends.

6. Lower Park Street - look at the row of houses on Lower Park Street. What would be the most efficient method of finding the total number of chimneys and windows? How many of each are there?

7. ADC Theatre - Use the posters and programmes displayed in the window to find out the date and time of the next performance.

8. St Andrew the Great Round Church - Find the Walking Tours sign. How much would it cost for your whole group to do the tour?
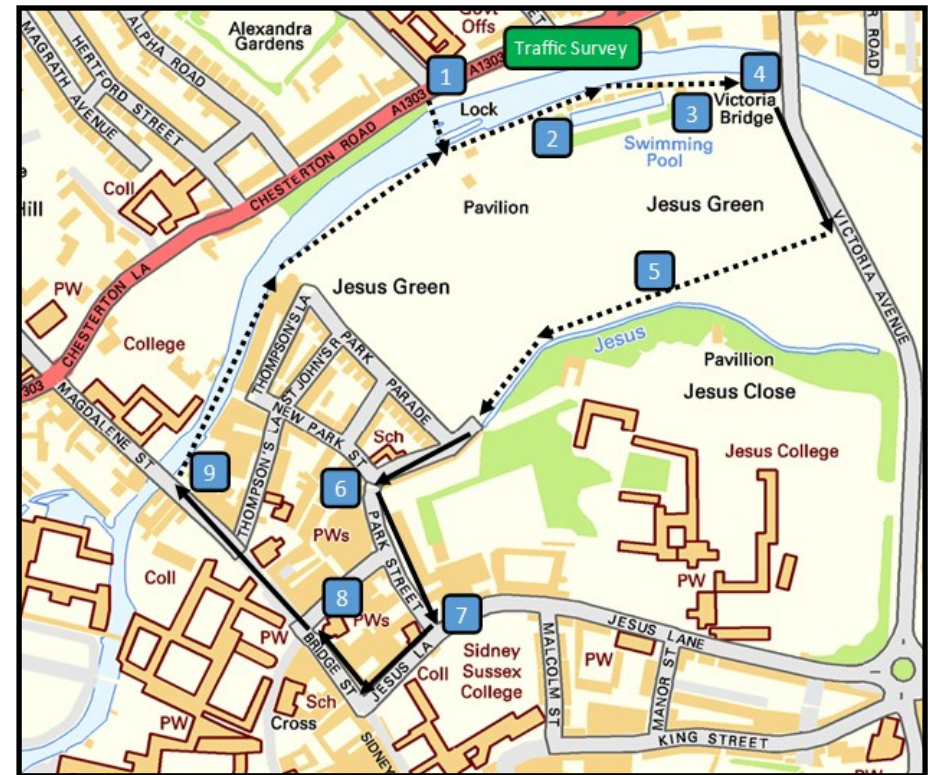
Extra challenge: Before you start your maths trail, predict whether you think you will see more trees or more lamp posts on your walk. Keep a tally as you go round and see if you were right.