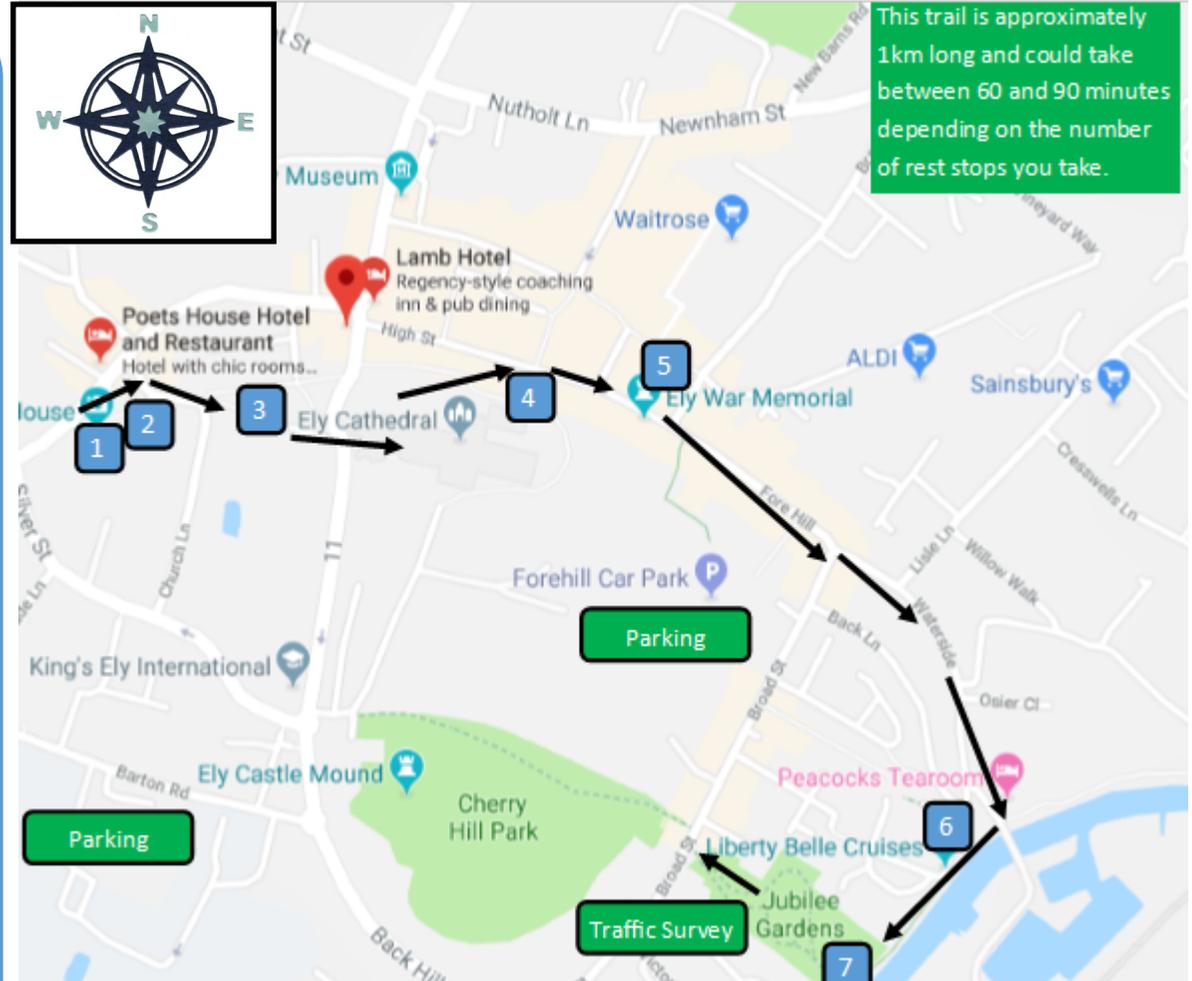# Ely Maths Trail

Name(s): _____

Date: _____

1. Oliver Cromwell's House -How long ago was this the home of the Cromwell family? Record your answer in years, months and days. Estimate the surface area ratio of wooden beams to white painted wall on the exterior of the house.

2. St Mary's Church—Find the clock with Roman Numerals and record the time in analogue and 24 hour form.

3. Ely Cathedral—Find the Cannon in the Cathedral grounds. Use your stride length to estimate the distance from the canon to the entrance of the cathedral. Look at the cathedral. Can you find an acute, obtuse, reflex and right angle? Sketch the different shapes and angles you see and name them.

4. Sacrist Gate—What shape are the panes of glass in the windows? What would be a good way to estimate the total number of equivalent similar sized panes of glass used?

5. Market Place—Record the time on the clock face. How much time has passed since you were at St Mary's Church?

6. Great Ouse Riverside— Find a bench and use this to estimate how many benches would be needed to seat the whole class. Explain how you know.

7. Jubilee Gardens— Which is longer—the metal eel statue or the mosaic eel on the floor? Explain how you know. At the Broad Street side of the gardens, conduct a traffic survey. Decide which information to collect and how to record this so that you can present and analyse your data later.

This trail is approximately 1km long and could take between 60 and 90 minutes depending on the number of rest stops you take.

Extra challenge: On your trail you will find or pass several plaques. Each plaque records a year in which a historic event happened. Record each year that you see and then write them in chronological order from oldest to most recent event.

Cambridgeshire Maths Team

Cambridgeshire County Council

Outdoor Education Adviser Service