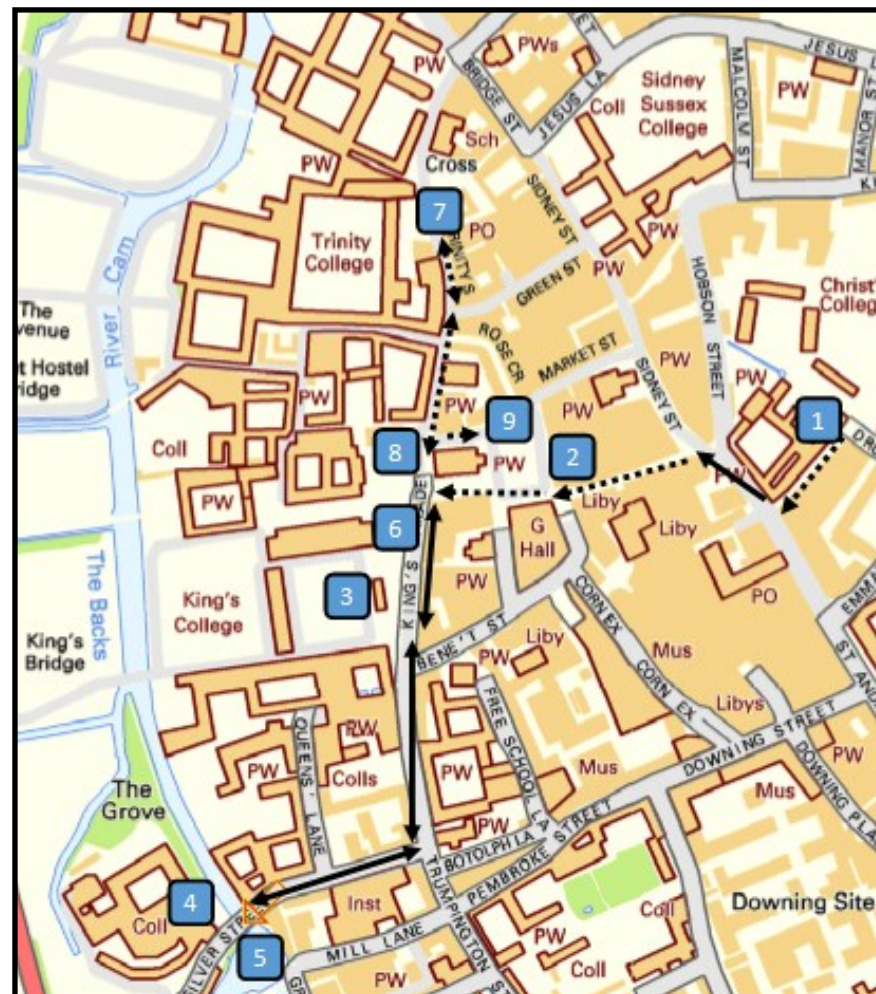# Cambridge Blue Questions

Name(s): _____

Date: _____

1. Drummer Street Bus Station - Choose a departure destination. If you take the next bus to depart, how long will the journey be and how many stops will there be?

2. Guildhall/Walter Snowy Farr statue - If the cat was facing north, which direction would each of the mice be facing?

3. King's College Gateway - Look at the clock face and estimate the size of the interior and exterior angles created by the hour hand and minute hands.

4. The Mathematical Bridge - Write and solve your own mathematical question about the bridge or its surroundings.

5. Silver Street - Count the number of large and small punt boats. If one large punt holds 12 passengers and one small punt holds 6 passengers, how many passengers could go punting at one time?

6. King's College Chapel - Compare the small arched window to the large window below it. How much larger is the lower window? Compare your strategy to a friend's.

7. Trinity College Great Gate - Can you find a feature that has both reflective symmetry and rotational symmetry? Sketch the feature(s) that you find.

8. St Mary the Great Church - Find the scale model. Use the scale to estimate the height of the church tower, in metres.

9. Market Square - Start by standing on the corner, next to the phone boxes. Sort the market stalls into your own categories. What fraction of the total stalls is in each category?

Extra challenge: On your trail you will pass several clock faces. Each time you see a clock, record the time and calculate how much time has passed since you recorded the last time.

Cambs Maths Team | Cambridgeshire County Council | Outdoor Education Adviser Service