

Online maps

An online map shows three different ways to travel from Royal Hallamshire Hospital Clinical Investigations (Department) to the National Emergency Services Museum in Sheffield.

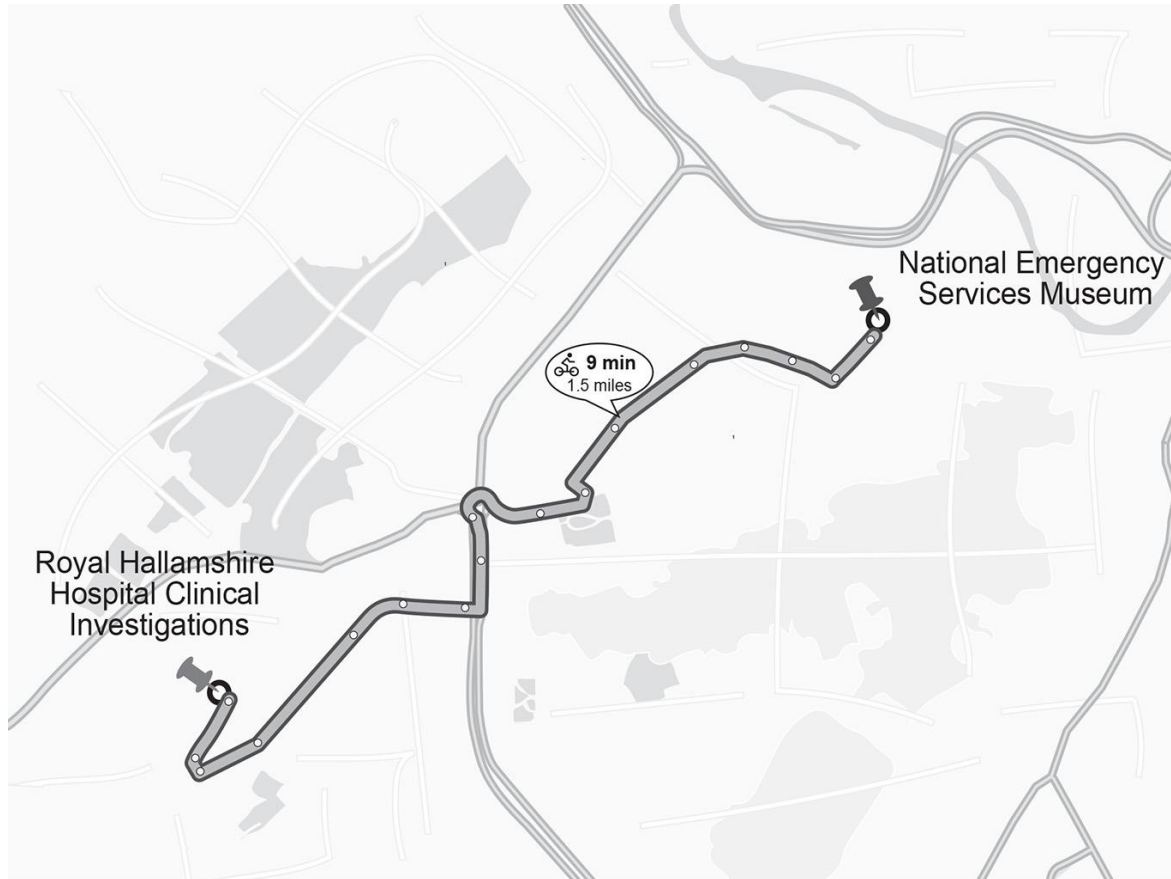
Map 1: Driving route



Map 2: Walking route



Map 3: Cycling route



Ratio table for driving

- a) Use the information from Map 1 and the ratio table to find the average driving speed for this journey.
Give the average speed in miles per hour.

Distance (miles)					
Time (min)					60

- b) If the car was moving at an average speed of 30 mph, how long would the same journey take?

Distance (miles)	30				
Time (min)	60				

Ratio table for walking

- c) Use the information from Map 2 and the ratio table to find the average walking speed for this journey.
Give the average speed in miles per hour.

Distance (miles)					
Time (min)					60

- d) Why is the distance for walking different from the distance for driving?

- e) A person's average walking speed is thought to be 3–4 mph.
Compare this to the average speed found in c).

Ratio table for cycling

- f) Use the information from Map 3 and the ratio table to find the average cycling speed for this journey.
Give the average speed in miles per hour.

Distance (miles)					
Time (min)					60

- g) Does a car, a bicycle or a person walking usually travel at the same speed for an entire journey?
Why?
- h) What does 'average speed' mean?