

Online map

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)	1.3	2.6	5.2	7.8	15.6
Time (min)	5	10	20	30	60

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

Distance (miles)	30	10	5	1	1.3
Time (min)	60	20	10	2	2.6

Ratio table for walking

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

Distance (miles)	1.2	0.6	0.3	3
Time (min)	24	12	6	60

- d) Why is the distance for walking different from the distance for driving?
The walking route is different from the driving route.
- e) A person's average walking speed is thought to be 3–4 mph.
Compare this to the average speed found in c).
The average speed found in c) is in the lower end of this range.

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)	1.5	0.5	5	10
Time (min)	9	3	30	60

- g) Does a car, a bicycle or a person walking usually travel at the same speed for an entire journey?
Why?

No. For example, a car or bicycle might slow down and stop in traffic. A person might slow down while walking.

- h) What does 'average speed' mean?
The distance you travel in a unit of time.