

Mathematics

Percentages and statistics

1 Construct line graphs

Independent Task

Ms Parsons



Question 1

Some pupils conducted their own experiment about shadows. They recorded their results in a table.

Create a line graph to show these results.

Consider an appropriate scales and label your graph.

Time	Shadow length (m)
09:10	4.15
10:10	3.11
11:10	2.67
12:10	2.70
13:10	3.16
14:10	4.22



Question 2

Use the following explanation of a journey to create a graph.

“Today I walked my dog to my friend’s house. I set off from my house at 10:30 a.m. and we walked 1.5 km to the park, arriving at 11:00 a.m. We spent 30 minutes in the park. At 11:30 a.m., we continued our walk and walked 3.2 km to the ice cream shop. We arrived at the ice cream shop at 12:30 p.m. I spent half an hour choosing an ice cream and eating it. After 90 minutes we arrived at my friend’s house which is 4.2 km from the ice cream shop.”

