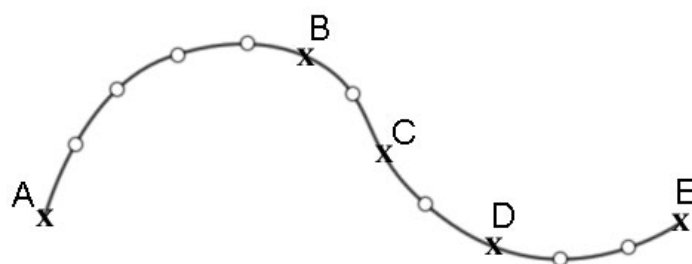# Time on the track

This task is about distance, speed and time.

The diagram above shows a railway line. The distance between each circular marker is 1 kilometre. There are 5 stations on the line, A, B, C, D, and E, each marked with an **X**.

An inspection railcar (jigger) travels from A to E at a steady speed checking the tracks, without stopping at any station. It starts at 9.00 a.m. and takes an hour to do the whole journey.

a) How many kilometres is it from A to E? _____ km

b) What is the average speed of the jigger? _____ km/h

c) Complete this table, showing the time the jigger passes through each of stations B, C, and D:

Station	Time
A	9:00 a.m.
B	
C	
D	
E	10:00 a.m.

d) Which of the following expressions describes how many kilometres from A the jigger is, t minutes after leaving?

(**A**) $t/5$
(**B**) $t/2$
(**C**) $t - 4$
(**D**) $5t$
(**E**) $12t$