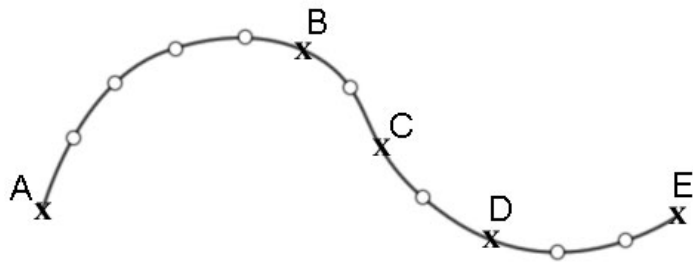


Time on the track

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?

- ☐ $t/5$
- ☐ $t/2$
- ☐ $t - 4$
- ☐ $5t$
- ☐ $12t$