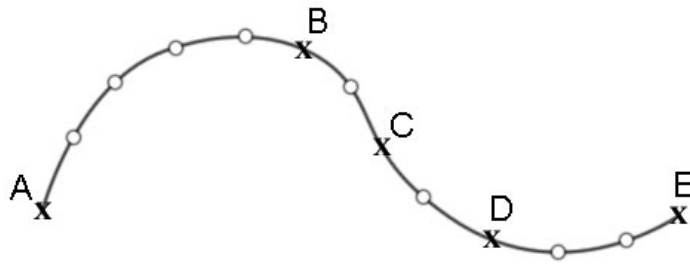


# Time on the track

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

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)  $12t$