E1.14 Time

Question Paper

Level	IGCSE
Subject	Maths (0580)
Exam Board	Cambridge International Examinations (CIE)
Level	Core
Topic	E1. Number
Sub-Topic	E1.14 Time
Booklet	Question Paper

Time Allowed: 18 minutes

Score: /15

Percentage: /100

Grade Boundaries:

A*	A	B	C	D	E	U
>85%	75%	60%	45%	35%	25%	<25%

1   A train leaves Zurich at 22 40 and arrives in Vienna at 07 32 the next day.

   Work out the time taken.

.... h .... min [1]

2   **(a)**   Here is part of a bus timetable.

Town Hall	10 15	10 35	10 55	11 15
City Gate	10 32	10 52	11 12	11 32
Beacon Hill	10 58	11 18	11 38	11 58
Kingswood Park	11 10	11 30	11 50	12 10

   (i)   Yana leaves home at 10 50.
         She takes 14 minutes to walk to the bus stop at City Gate.

         At what time does she reach the bus stop?

.... [1]

   (ii)   She gets on the next bus to Kingswood Park.

         At what time does this bus arrive at Kingswood Park?

.... [1]

   (iii)   Work out how many minutes the bus takes to get from City Gate to Kingswood Park.

....min [1]

(b) Ivan walks 1.5 km from his home to Kingswood Park.
He takes 20 minutes.

Work out Ivan's average speed in kilometres per hour.

....km/h [1]

(c) The scale drawing shows a map of Kingswood Park.
There are two straight paths and one circular path.
The scale is 1 centimetre represents 200 metres.
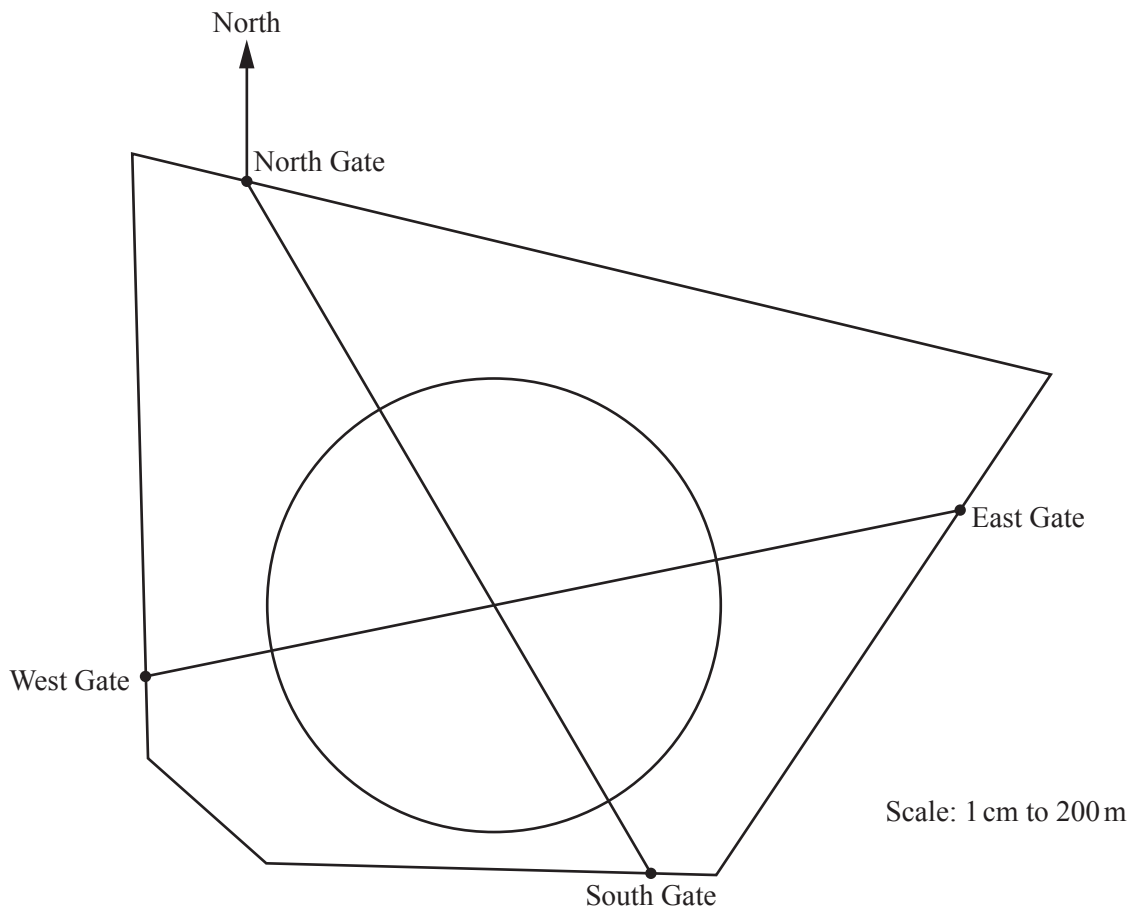
North

North Gate

East Gate

West Gate

Scale: 1 cm to 200 m

South Gate

   (i) Yana walks along the straight path from East Gate to West Gate.

     Work out the distance she walks.
     Give your answer in kilometres.

                                            .... km [2]

   (ii) Measure the bearing of South Gate from North Gate.

                                            .... [1]

  (iii) The entrance to a children's play area, *P*, is 500 metres from North Gate on a bearing of 195°.
        Mark the position of *P* on the map.   [2]

  (iv) Ivan runs around the circular path once.

        Calculate the distance Ivan runs.

                                            .... m [4]

3   Find the number of minutes between 1753 and 7.26 pm.

                                          .... min [1]