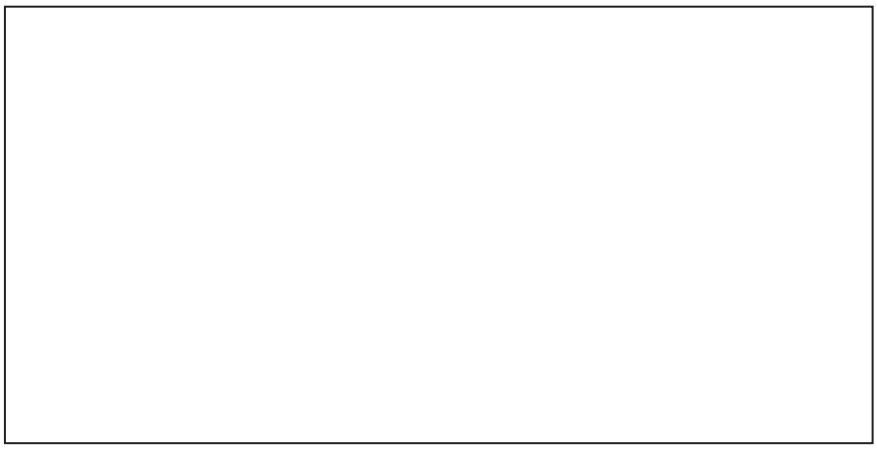
1. The diagram shows a scale drawing of a tennis court.

(11.3 → 11.7) 11.5 (1) measured with a ruler



(5.6 → 6.0) 5.8cm

The scale of the drawing is 1 : 200 1cm on paper = 200cm in real life

Work out the perimeter of the real tennis court.
Give your answer in metres.

Finding actual dimensions:

width: 5.8 x200 = 1160cm (1)
length: 11.5 x200 = 2300cm

Perimeter of real rectangle:

(2x width) + (2x height) = (2x1160) + (2x2300)
= 6920cm (1)

Converting into metres:

÷100
cm ⇄ m
x100

6920 ÷100 = 69.2m
(1)

Answer range:
67.6 → 70.8

69.2 (1) ..... metres

(Total for Question is 5 marks)

2. The diagram shows two points, A and B, on a map.

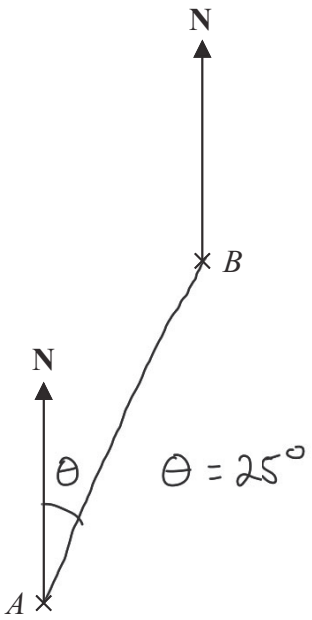


Diagram accurately drawn

length AB = 5cm ✓

Scale: 1 to 25 000

(a) Find the bearing of B from A. → Start at A and go to B.

025 ✓ °

(1)

(b) Work out the real distance between A and B.
Give your answer in kilometres.

25 000 × 5 = 125 000 ²

×5 ↓ 1 → 25 000 ↓ ×5
5 → 125 000 cm ✓

125 000 cm = 1250 m
1250 m = 1.25 km

1.25 ✓ kilometres

(3)

(Total for Question is 4 marks)