10.1 Ordnance Survey Map Skills: Grid References, Scale and Distance: 10-minute Pack

AQA 8035 · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

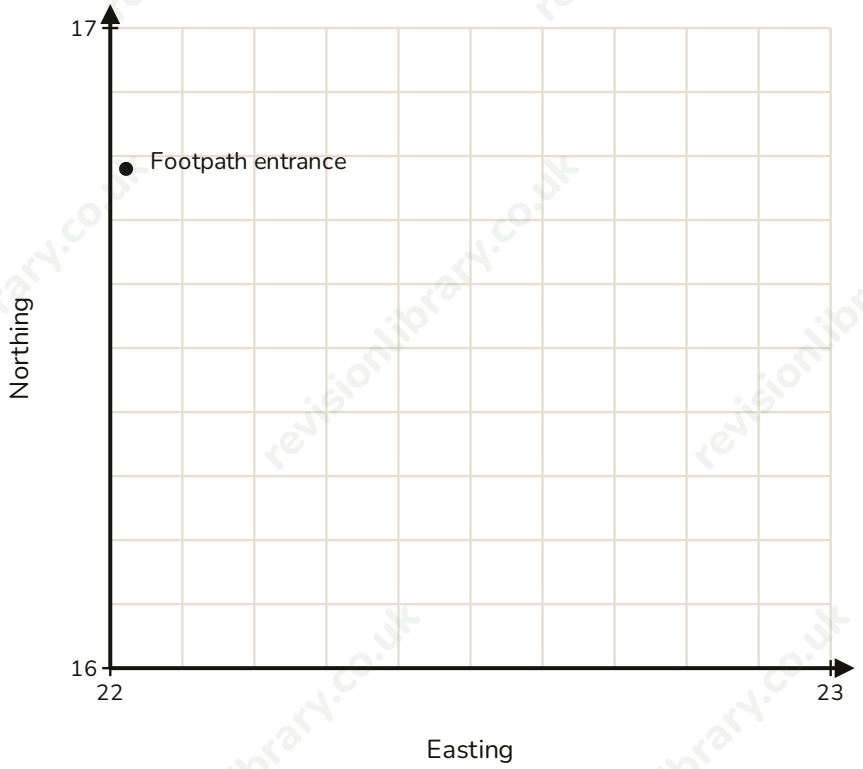
Answer ALL questions. Show all your working.

1 On a 1:50 000 OS map, the grid square whose south-west corner is at eastings 24 and northings 12 contains a post office symbol close to its south-west corner. Give the FOUR-FIGURE grid reference for the grid square that contains the post office.

(Total for Question 1 is 1 mark)

© Revision Library | revisionlibrary.co.uk

2 A footpath entrance is marked approximately 22 m east and 780 m north of the south-west corner of the grid square with south-west corner at easting 22 and northing 16 on a 1:50 000 OS map. Give the FOUR-FIGURE grid reference for the square containing the footpath entrance.



(Total for Question 2 is 2 marks)

3 Identify the feature from this OS 1:50 000 map symbol description: the black letter P shown beside a building in a village. State whether this is a human or physical feature and give its name using the standard OS key.

(Total for Question 3 is 2 marks)

© Revision Library | revisionlibrary.co.uk

4 On a 1:25 000 OS map, two gates measure 6.0 cm apart when measured on the paper map. Using the 1:25 000 scale where 1 cm represents 250 m, calculate the straight-line distance between the gates in metres. Give your answer to the nearest metre.

(Total for Question 4 is 2 marks)

---

5 On a 1:50 000 OS map, a railway station is at 240140 and a trig point is at 246128. What is the bearing from the railway station to the trig point? Give your answer as a whole-number bearing in degrees measured clockwise from north.

(Total for Question 5 is 2 marks)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 10.1 Ordnance Survey Map Skills: Grid References, Scale and Distance: 10-minute Pack

Question 1

2412, the four-figure grid reference of the square with south-west corner at easting 24 and northing 12, cao	**B1**

Answer: 2412

Question 2

identify the grid square by its south-west coordinates 22 and 16, oe	**M1**
2216 cao	**A1**

Answer: 2216

Question 3

states it is a human feature, oe	**B1**
gives the OS key name, 'post office', oe	**B1**

Answer: Human feature, post office.

Question 4

6.0 cm x 250 m per cm seen, oe	**M1**
1500 m cao	**A1**

Answer: 1500 m

Question 5

calculate easting and northing differences: from 240140 to 246128 is +6 east, -12 north, seen	**M1**
bearing 153 degrees cao	**A1**

Answer: 153 degrees

© Revision Library | revisionlibrary.co.uk