

GEOGRAPHY

MAPWORK PRACTICE EXERCISES 13+

ABERDEEN ANSWERS

Belinda Froud-Yannic

- Suitable for Key Stage 3
- Based closely on ISEB examinations
- Ideal for Common Entrance practice
- Covers the five topics, global location and fieldwork preparation



Independent Schools
Examinations Board

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EXERCISES 13+
ABERDEEN**

ANSWERS

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1.
 - (a) triangulation pillar (1)
 - (b) place of worship with spire, minaret or dome (1)
 - (c) mast (1)
 - (d) public house (1)
 - (e) park and ride (or parking is acceptable) (1)
 - (f) leisure centre (1)
 - (g) station (railway) (1)
 - (h) hospital (1)
 - (i) school (1)
 - (j) Bucksburn House (1)

2.
 - (a) NW (1)
 - (b) N (1)
 - (c) E (1)
 - (d) NE (1)
 - (e) SW (1)
 - (f) SE (1)
 - (g) SW (1)
 - (h) S (1)
 - (i) NE (1)

3.
 - (a) 94 15 (1)
 - (b) 87 12 (1)
 - (c) 87 15 (1)
 - (d) 91 14 (1)

- (e) 92 03 (1)
- (f) 96 04 (1)
- (g) 97 05 (1)
- (h) 96 03 (1)
- (i) 88 16 (1)

4. When pupils are giving a six figure grid reference, a margin of error of +/- one last digit (one mini square) is acceptable.

- (a) 964 061 and 967 061 (2)
- (b) 965 137 (1)
- (c) 965 034 (1)
- (d) 928 162 (1)
- (e) 873 159 (1)
- (f) 923 058 (1)
- (g) 948 031 (1)
- (h) 972 054 (1)

5. 1 mark maybe awarded for answers that are close (but not spot on) to the stated one.

- (a) 4 km (2)
- (b) 4.3 km (2)
- (c) 8.8 km (2)
- (d) 6.3 km (2)
- (e) 3.8 km (2)
- (f) 5.3 km (2)

6. 1 mark maybe awarded for answers that are close (but not spot on) to the stated one.
- (a) 3 km (2)
 - (b) 5 km (2)
 - (c) 5 km (2)
- 7.
- (a) residential (1)
 - (b) airport/road (communications)/residential (1)
 - (c) mixed woodland (1)
- 8.
- (a) linear (1)
 - (b) dispersed (1)
9. Give 3 marks for any 3 correct points or any other valid comments. (3)
- away from main residential area
 - cheaper land on the edge of the city
 - flat land for building on
 - space for runways in two orientations
 - train station in Dyce nearby
 - A947 is nearby
- 10.
- (a) headland (1)
 - (b) beach (1)
 - (c) river/meander (1)
 - (d) coniferous woodland (1)
 - (e) pond/lake (1)
 - (f) marsh/salting (1)

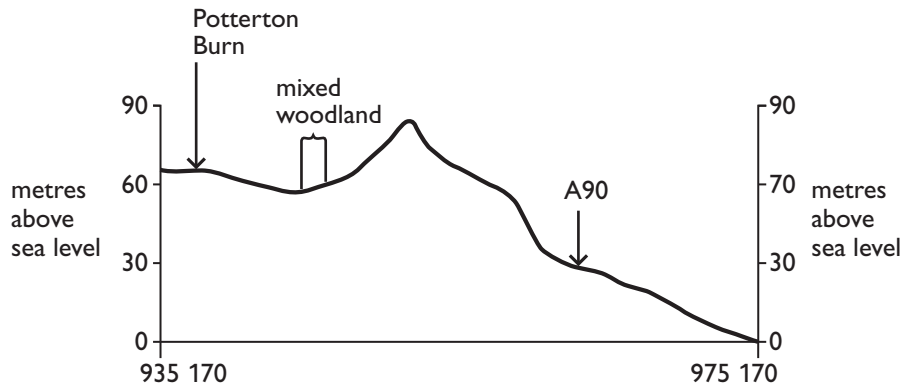
11. (a) 0 m (1)
(b) 101 m (1)
(c) 83 m (1)
(d) 140 m (1)
(e) 109 m (1)
(f) 90 m (1)
(g) accept between 10 m and 20 m (1)
(h) accept between around 70 m (1)
(i) 50 m
12. (a) S (1)
(b) the river must flow into the sea (1)
(c) SE (1)
(d) ● it flows towards the sea (1)
● flows downhill
13. (a) 2 (1)
(b) 2 (1)
(c) 4 (1)
(d) 4 (5 if pupils have included the infirmary as a hospital) (1)
(e) E (1)
(f) S (1)
(g) W (1)
(h) 2 (1)
(i) 3 (1)

14. (a) uphill (1)
 (b) uphill (1)
 (c) downhill (1)
 (d) downhill (1)
 (e) uphill (1)
15. (a) ascend 20 m (944 131 = 50 m; 940 135 = 70 m) (1)
 (b) descend 23 m (Peterseat = 83 m; building = 60 m) (1)
 (c) descend 47 m (mast = 87 m; clubhouse = 40 m) (1)
16. (a) 0.3 km² (1)
 (b) 0.2 km² (1)
17. Give credit for any other features included. Give half a mark for each correct distance, direction, height or feature passed.
- (a) ● travel south
 ● pass Potterton village to the east
 ● pass the post office
 ● pass the hamlet of Gourdieburn
 ● travel slightly uphill to 63 m and a mile stone
 ● pass a small strip of mixed woodland
 ● travel 1.5 km past the woodland and pass a couple of isolated buildings
 ● you will then reach the hamlet of Mundurno
 ● the whole distance from start to finish is about 3.3 km (5)

- (b) ● travel east for just under 1 km
- pass through the industrial estate
 - at the next roundabout turn left going north on the A90
 - continue on the A90 immediately passing the technology park in the east
 - travel slightly uphill with a mixture of buildings and mixed woodland in the west
 - there are scattered buildings in the east
 - after 1.5 km you will arrive at the roundabout (4)
- (c) ● travel SE on the B997 passing a coniferous forest in the west
- and pass Bishops' Loch in the east
 - the forest will become mixed
 - pass a turning to the south and continue on the B997
 - pass some dispersed buildings and the hamlets of Birkhill and Hillhead
 - the road is reasonably flat
 - take the small road heading NE to Perwinnes
 - on reaching Perwinnes turn NW to the radar station, you will be going uphill
 - the whole route is about 3.5 km (5)
18. (a) ● easy access from the centre of Aberdeen (large population)
- edge of city so cheaper land
 - next to beach to provide water sports (2)
- (b) ● edge of city so cheap land
- easy access to airport nearby via the A90 and A947
 - easy access to the A90

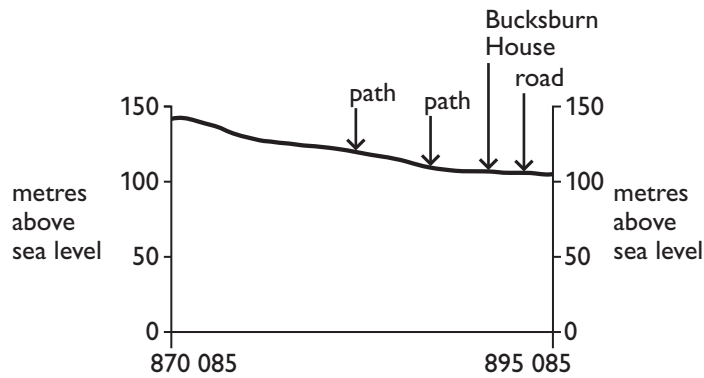
- labour can be sourced from Aberdeen
- there is a pleasant environment (near the sea and spacious) which will help to attract the highly skilled labour force

19.



(3)

20.



(3)