



Cambridge Pre-U

GEOGRAPHY

9768/04

Paper 4 Research Topic

For examination from 2020

SPECIMEN INSERT

1 hour 30 minutes

INFORMATION

- This insert contains all the resources referred to in the questions.
- You may annotate this insert and use the blank spaces for planning. **Do not write your answers** on the insert.



This specimen paper has been updated for assessments from 2020. The specimen questions and mark schemes remain the same. The layout and wording of the front covers have been updated to reflect the new Cambridge International branding and to make instructions clearer for candidates.

This syllabus is regulated for use in England, Wales and Northern Ireland as a Cambridge International Level 3 Pre-U Certificate.

This document has **12** pages. Blank pages are indicated.

Fig. 1 for Question 1

Plant species along a woodland transect

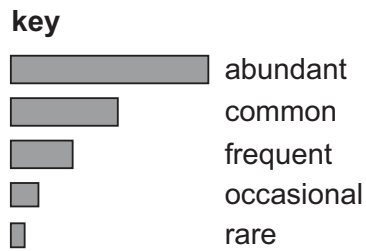
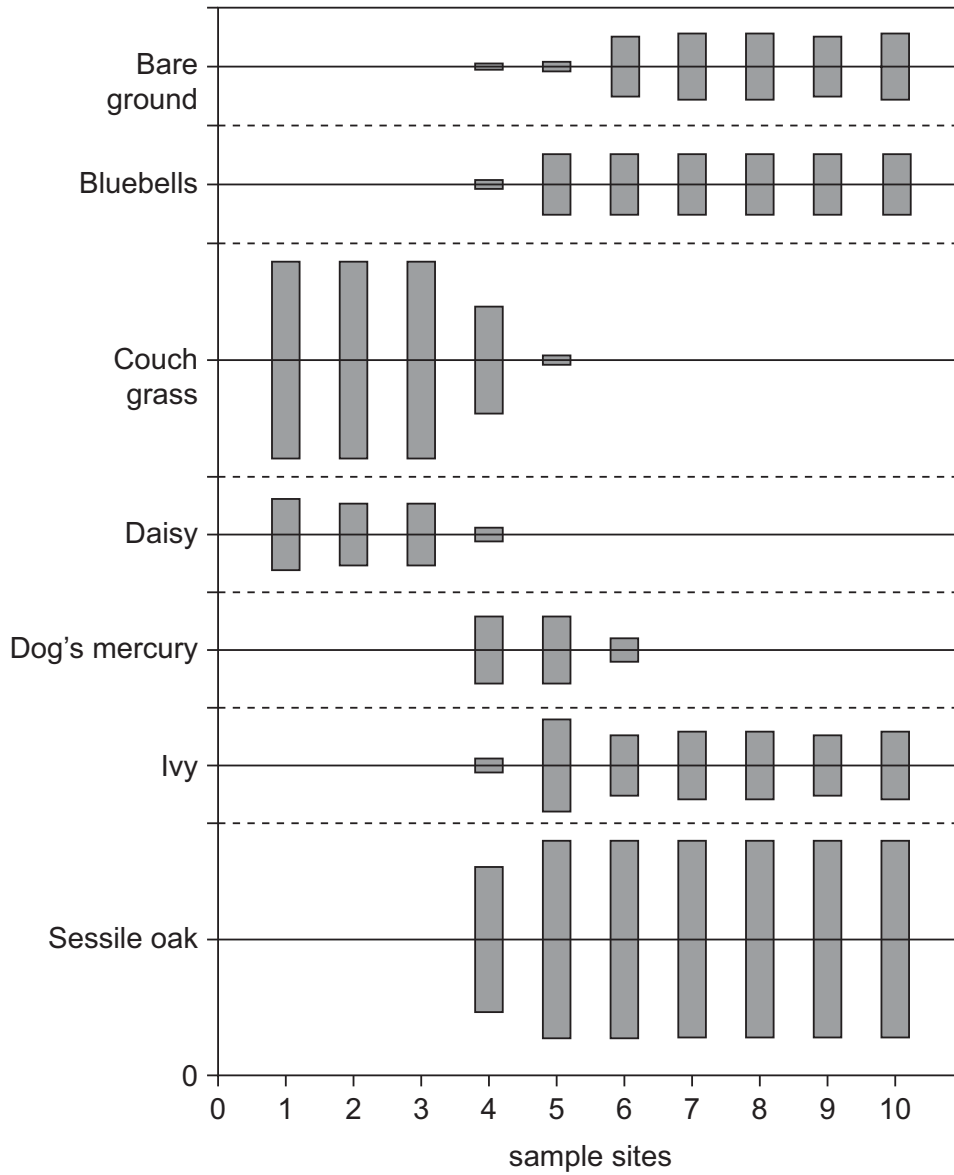


Fig. 2 for Question 1

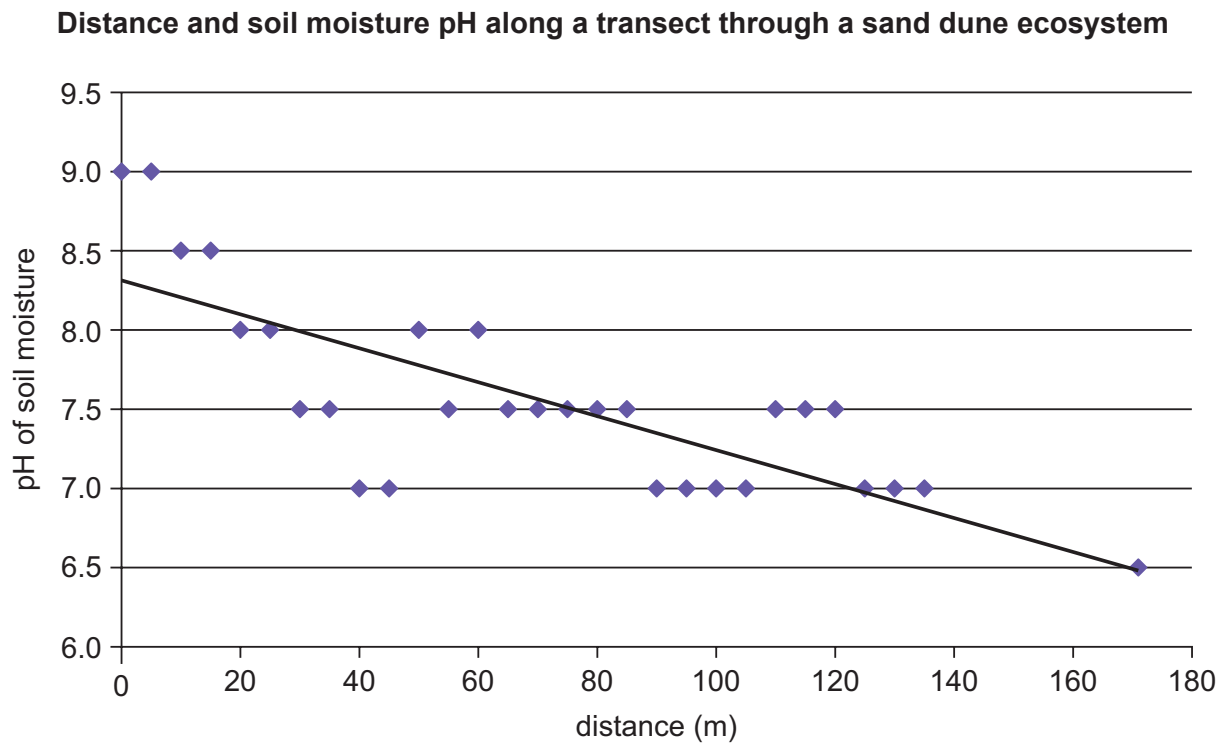
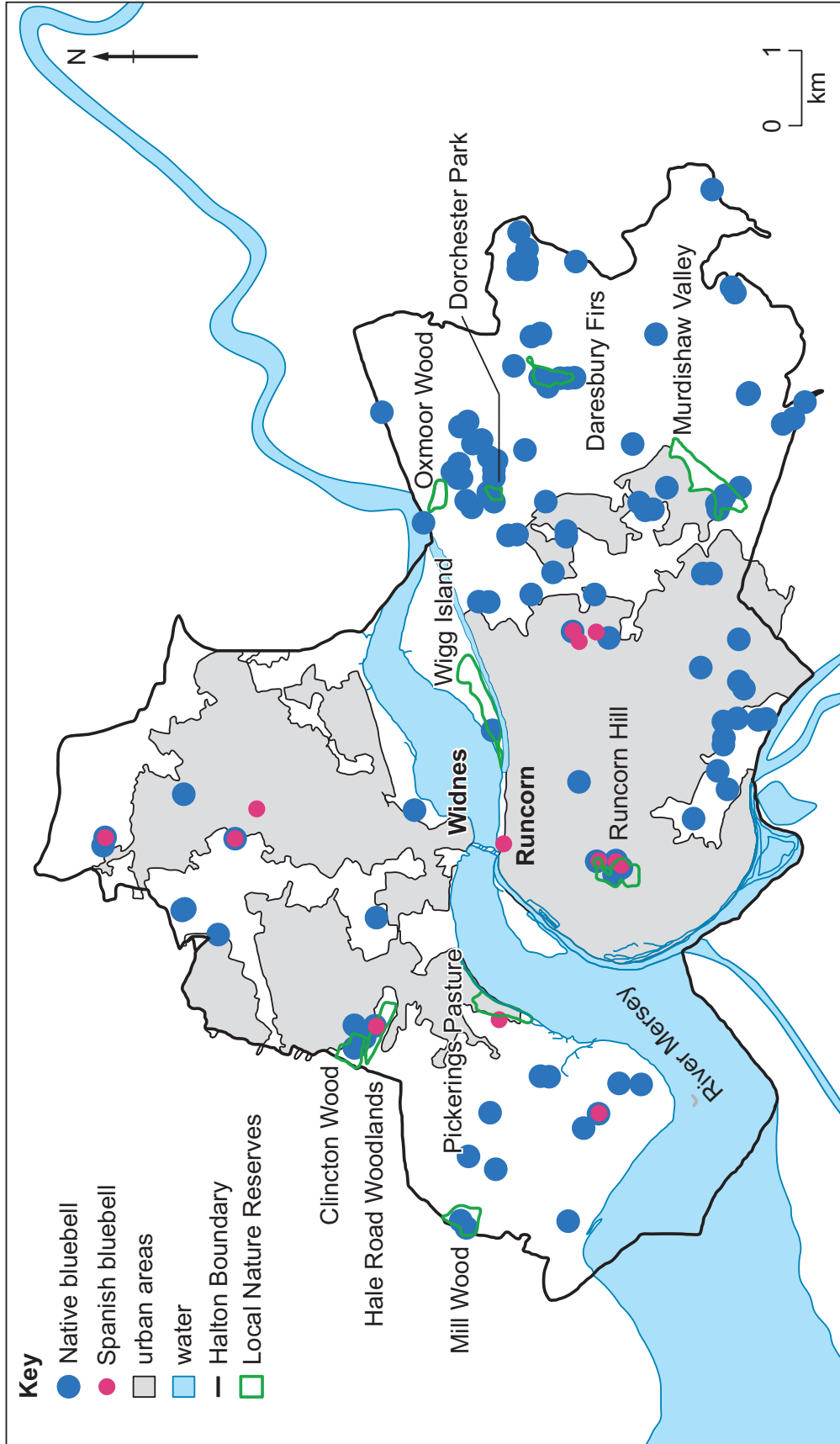


Fig. 3 for Question 2

Location of bluebells in the Borough of Halton, near Liverpool, England in 2007



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Fig. 4 for Question 5

Employment type in National Parks and in England and Wales, 2011

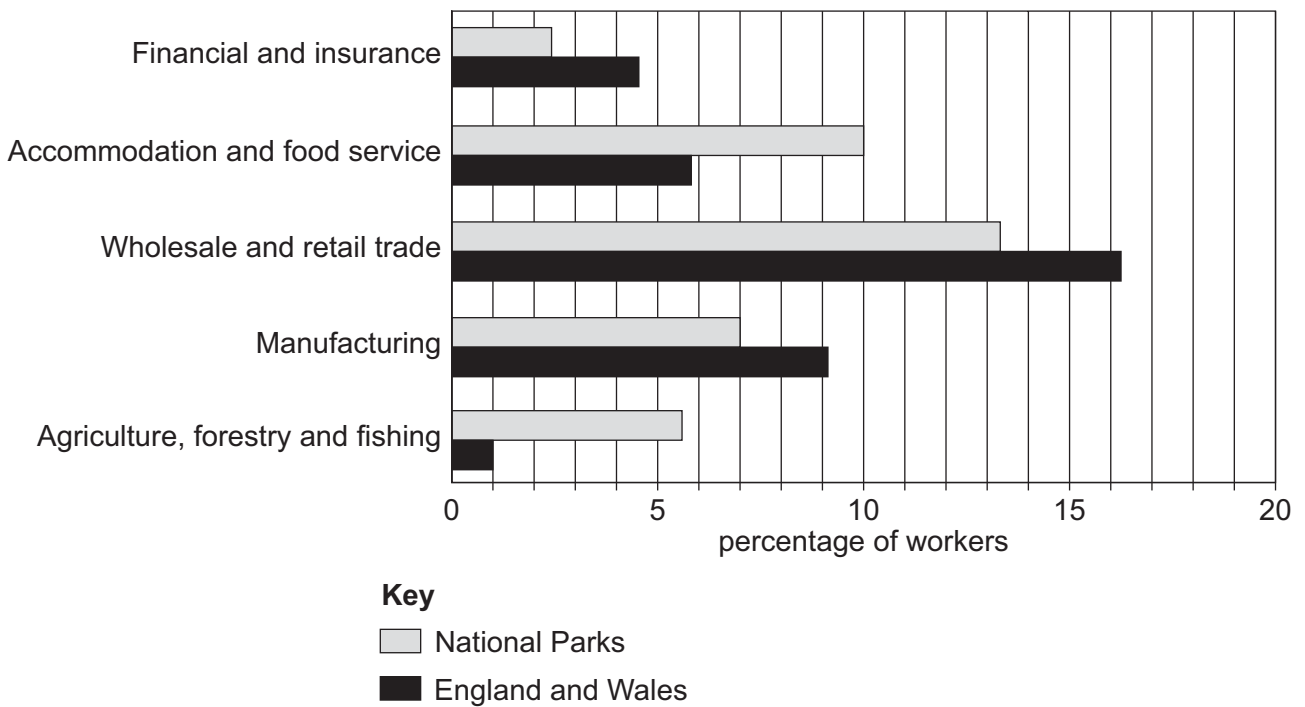


Fig. 5 for Question 5

Internal migration for rural and major urban areas, England, 2000 to 2010

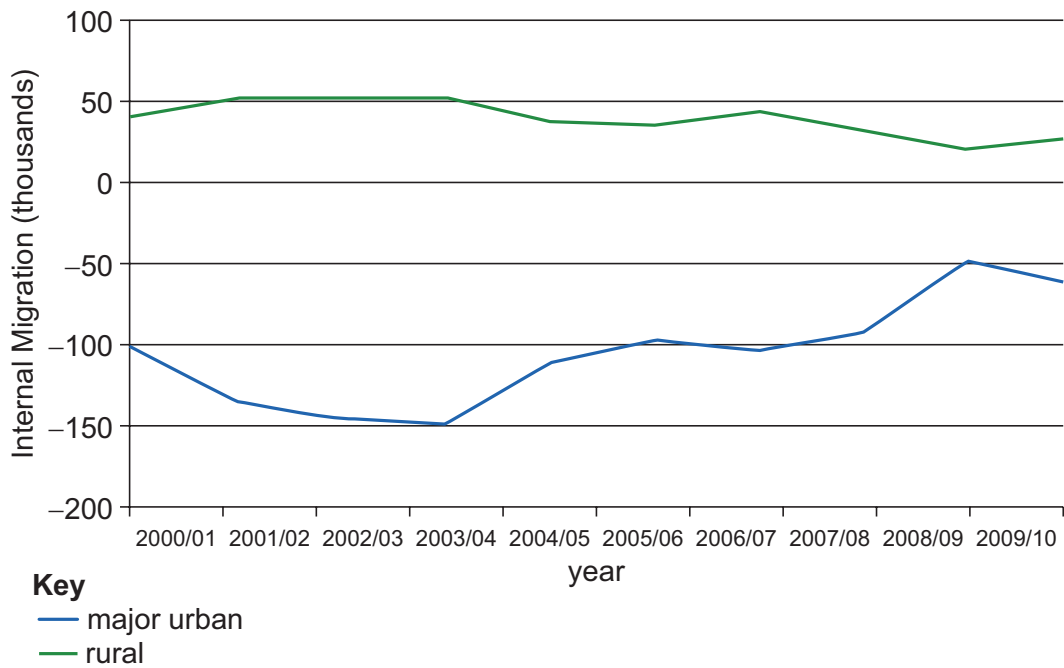


Fig. 6 for Question 5

Changes in population size by age for selected National Parks, England, 2001 to 2011

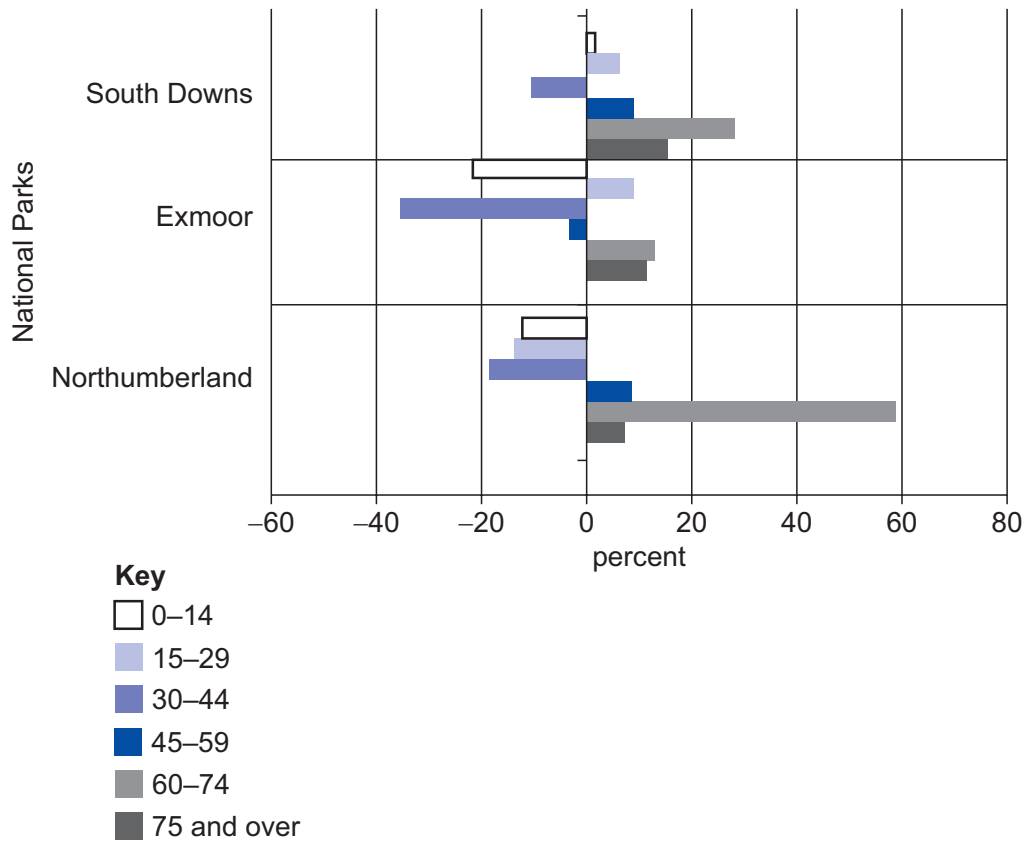
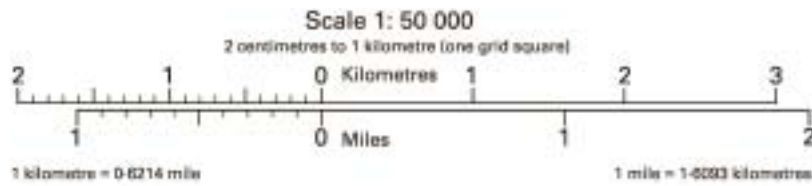


Fig. 7 for Question 6

1:50 000 OS map extract, SW Northumberland, England



Key for Fig. 7 [OS map]



ROADS AND PATHS

Not necessarily rights of way

- Secondary road
- Road generally more than 4m wide
- Road generally less than 4m wide
- Path / Other road, drive or track
- Gradient: steeper than 20% (1 in 5), 14% to 20% (1 in 7 to 1 in 5)

RAILWAYS

- Viaduct, embankment

HEIGHTS

1 metre = 3.2808 feet

- Contours are at 10 metres vertical interval
- Heights are to the nearest metre above mean sea level

Where two heights are shown the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill

ROCK FEATURES



TOURIST INFORMATION

- Camp site / caravan site
- Nature reserve
- Parking, Park and ride (all year / seasonal)
- Picnic site
- Selected places of tourist interest
- Viewpoint
- Visitor centre
- World Heritage site or area

PUBLIC RIGHTS OF WAY

- Footpath
- Bridleway
- Byway open to all traffic

The symbols show the defined route so far as the scale of mapping will allow.

The representation on this map of any other road, track or path is no evidence of the existence of a right of way. Not shown on maps of Scotland

OTHER PUBLIC ACCESS

- On-road cycle route
- National Cycle Network number
- National Trail, European Long Distance Path, Long Distance Route, selected Recreational Routes

LAND FEATURES

- Buildings
- Important building (selected)
- Triangulation pillar
- Coniferous wood
- National Trust (always open / limited access, observe local signs)

ABBREVIATIONS

- MS Milestone
- PC Public convenience (in rural areas)
- PH Public house

BOUNDARIES

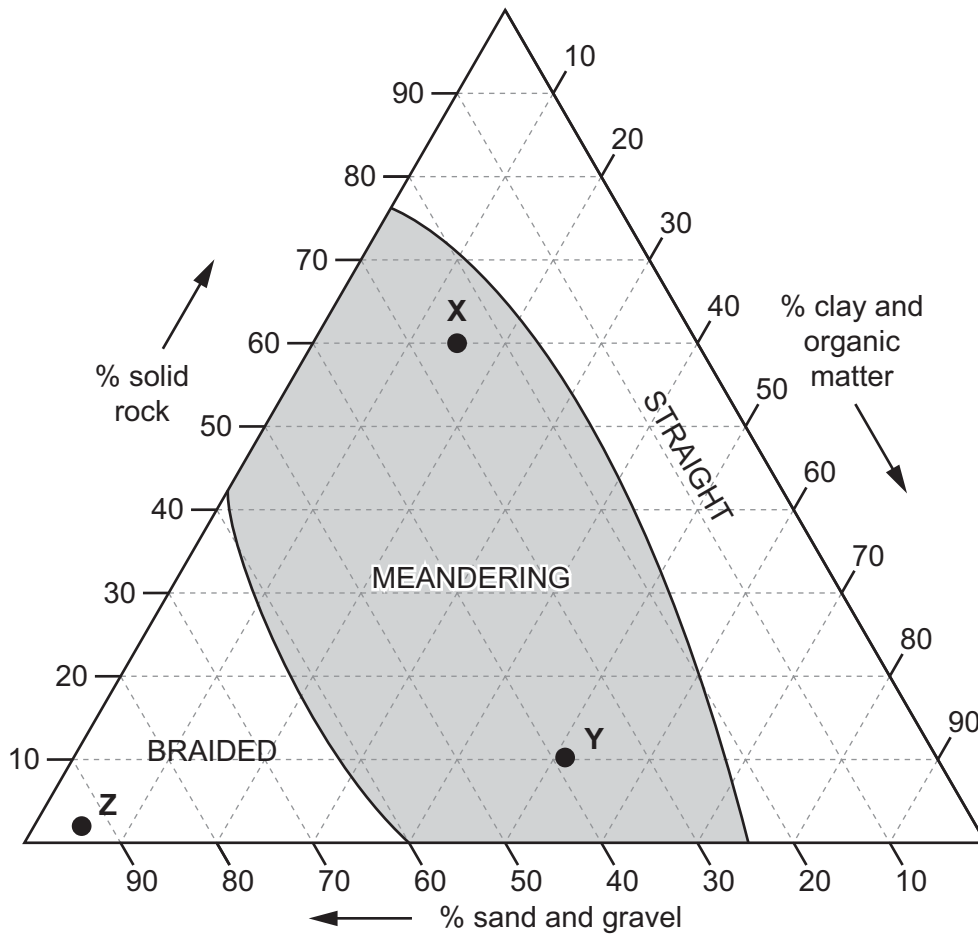
- National Park

ANTIQUITIES

- VILLA Roman
- Excite Non-Roman

Fig. 8 for Question 9

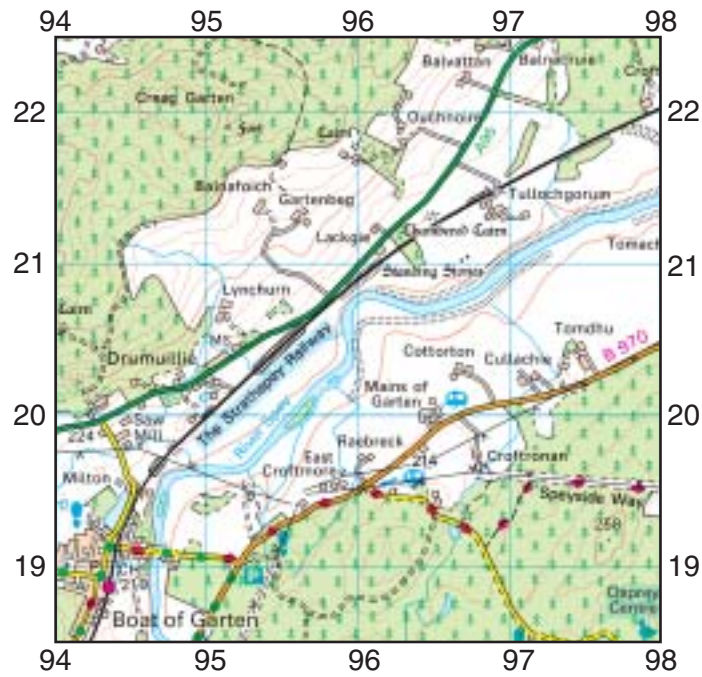
The relationship between river bed material and river channel pattern



Key
 ● river

Fig. 9 for Question 9

1 : 50 000 OS map extract of the River Spey, Scotland

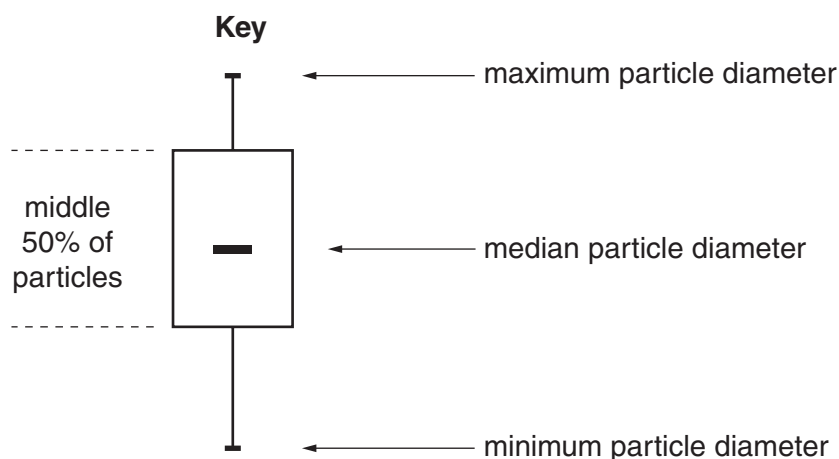
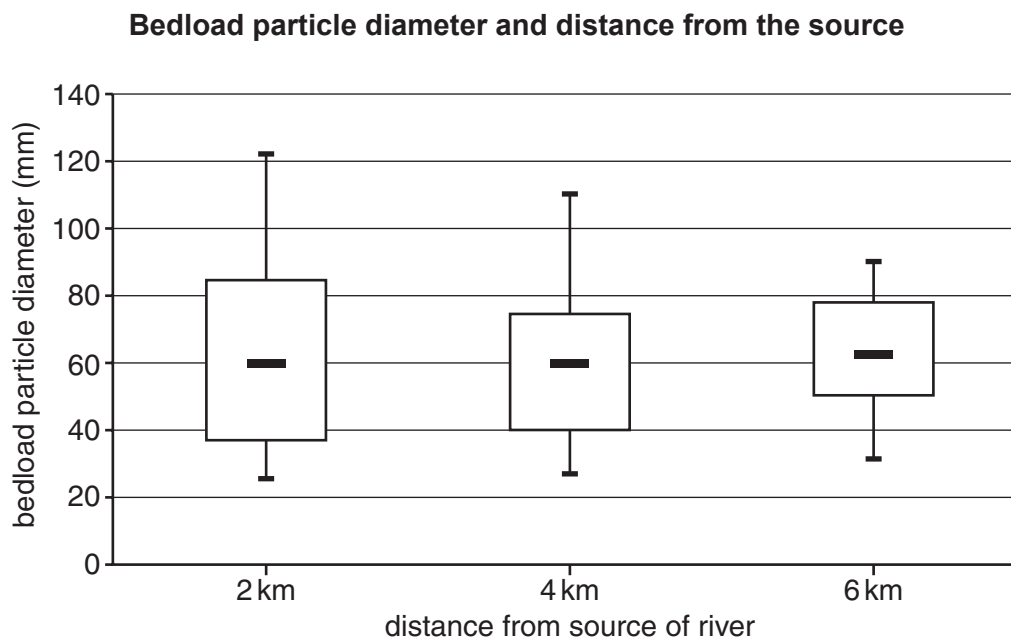


Photograph A for Question 9

Part of the River Spey shown on Fig. 9



Fig. 10 for Question 10



Copyright Acknowledgements:

- Question 1 Figure 1 © adapted: Alan Cadogan & Malcolm Ingram; *Maths for Advanced Biology*; Nelson Thornes Ltd; 2002.
 Question 2 Figure 3 © Dr Samantha Langdon; *Halton Bluebell Survey Report*; <http://www.record-lrc.co.uk/Downloads/bluebell%20project/WEB%20August%202007%20report.pdf>; 22 May 2013.
 Question 5 Figure 4 © *National Parks in England and Wales*; <http://youtube.com/watch?v=UnVxNzXggMQ>; 23 May 2013.
 Question 5 Figure 5 © *DEFRA statistical digest of rural England 2012*; https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/69493/pb13642-rural-digest-2012.pdf; 23 May 2013.
 Question 5 Figure 6 © *Characteristics of National Parks*; Office for National Statistics; 23 May 2013.
 Question 6 Figure 7 © *Hexham and Haltwhistle*; OS Landranger 87; Ordnance Survey; 2009.
 Question 9 Figure 8 © K Hilton; *Process and Pattern in Physical Geography*; University Tutorial Press; 1985.
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 Question 9 Figure 10 © *River Spey between Drumuillie and Culachie*; <http://www.multi-map.net/>.

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