



Cambridge International Examinations
Cambridge Pre-U Certificate

GEOGRAPHY (PRINCIPAL)

9768/04

Paper 4 Research Topic

May/June 2015

INSERT

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains all the Figures referred to in the Question Paper.



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

This document consists of **13** printed pages and **3** blank pages.

Fig. 1 for Question 1

Soil moisture content for selected soil water pH values in a coastal sand dune ecosystem in the UK

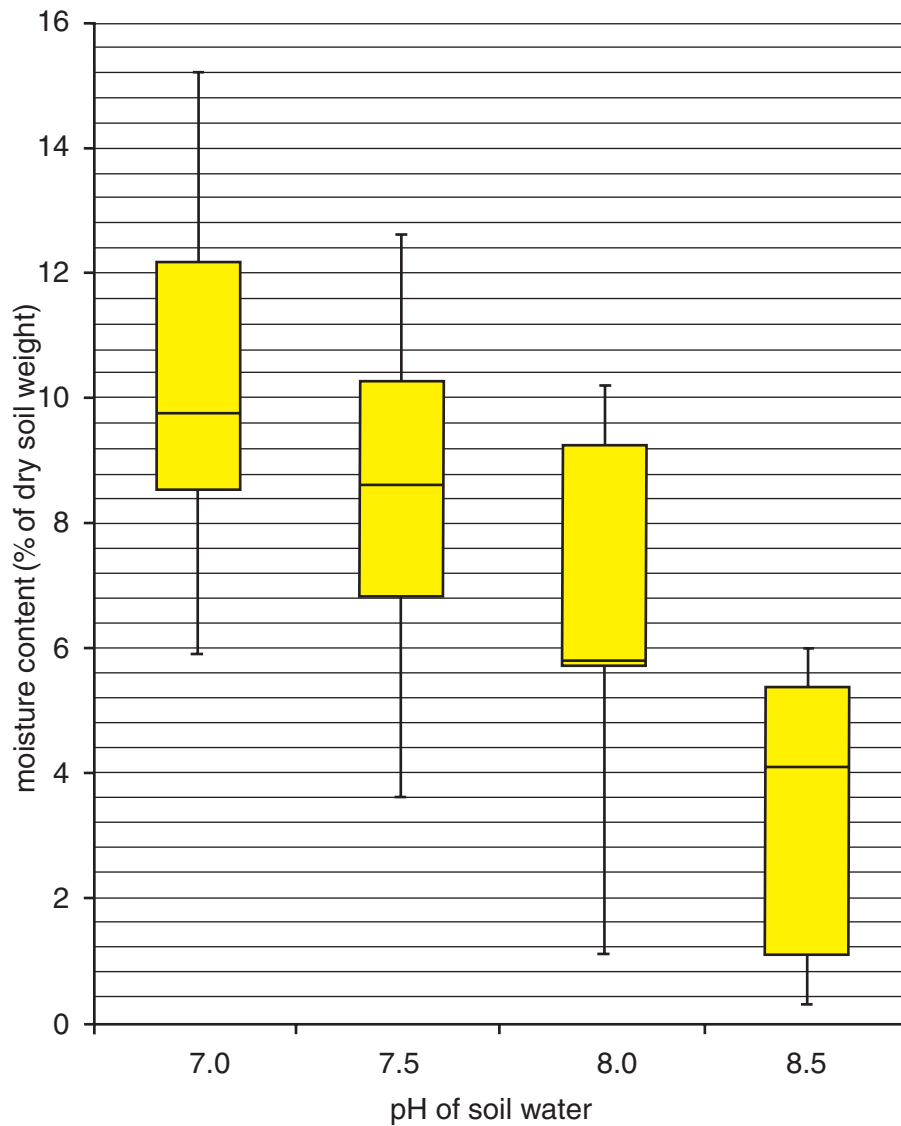
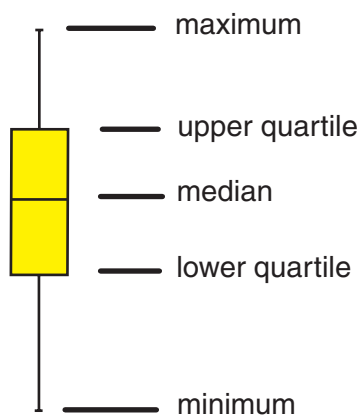
**Key**

Fig. 2 for Question 1

Soil moisture content and distance from the high water mark along a transect across a coastal sand dune ecosystem in the UK

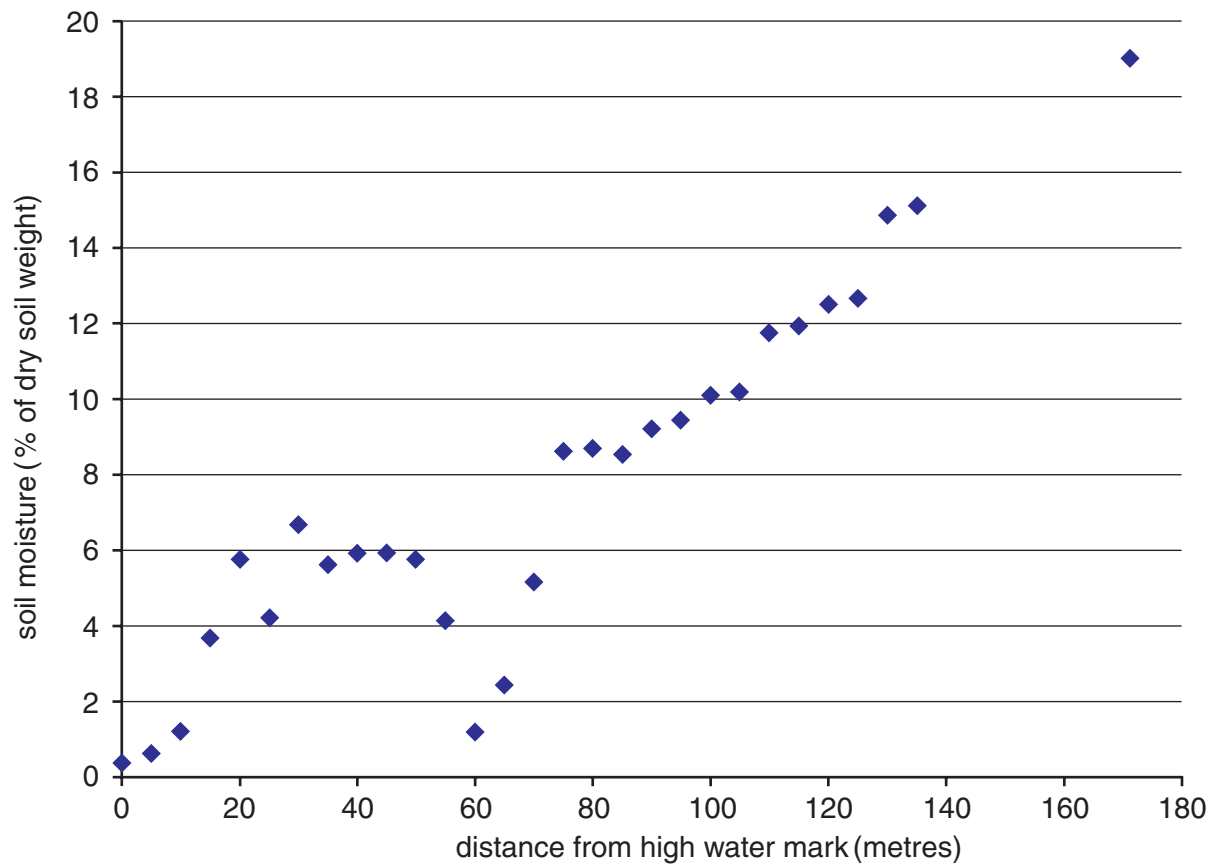
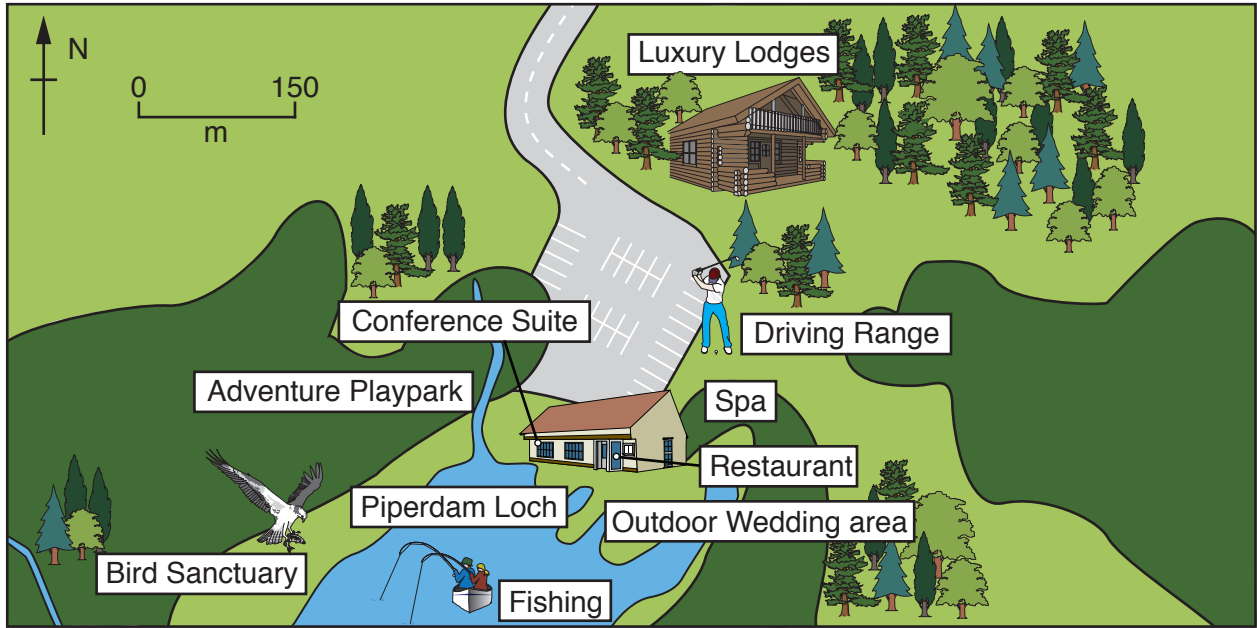







Fig. 3 for Question 2

Piperdam Country Park, Dundee, Scotland



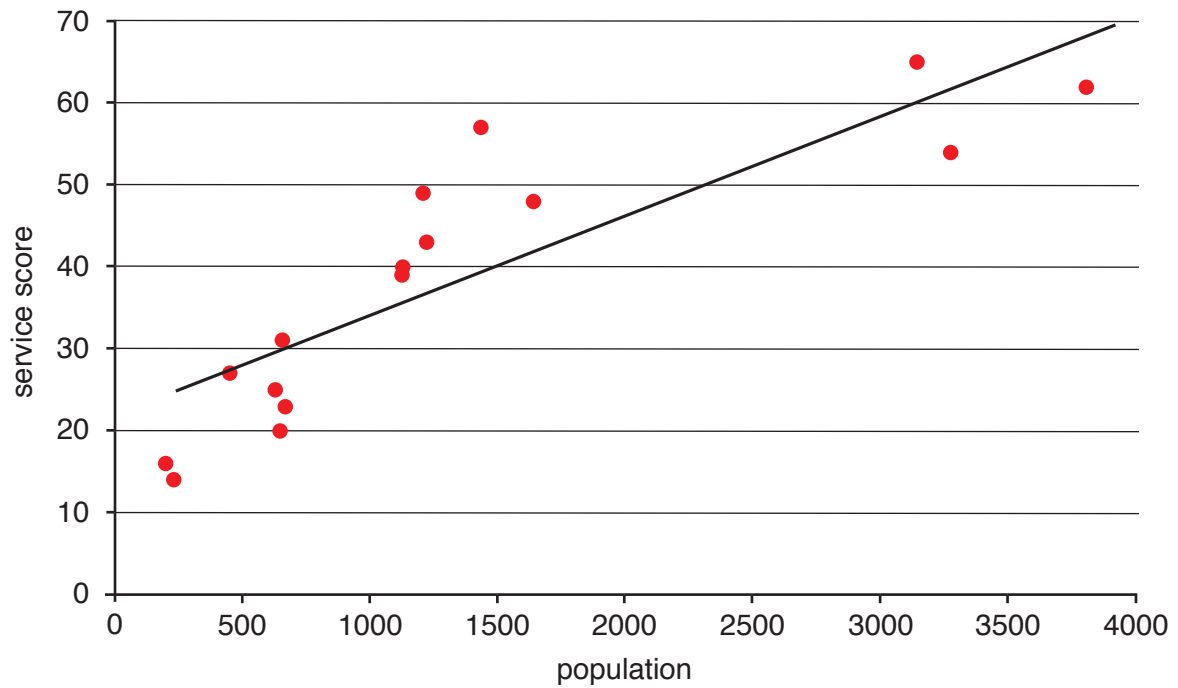
Key

- | | |
|--|--|
|  Grassland |  Trees |
|  Golf course |  Car park and access road |
|  Lake (loch) / stream | |

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Fig. 4 for Question 5

Population and service score for selected rural settlements
in East Staffordshire, England, 2012



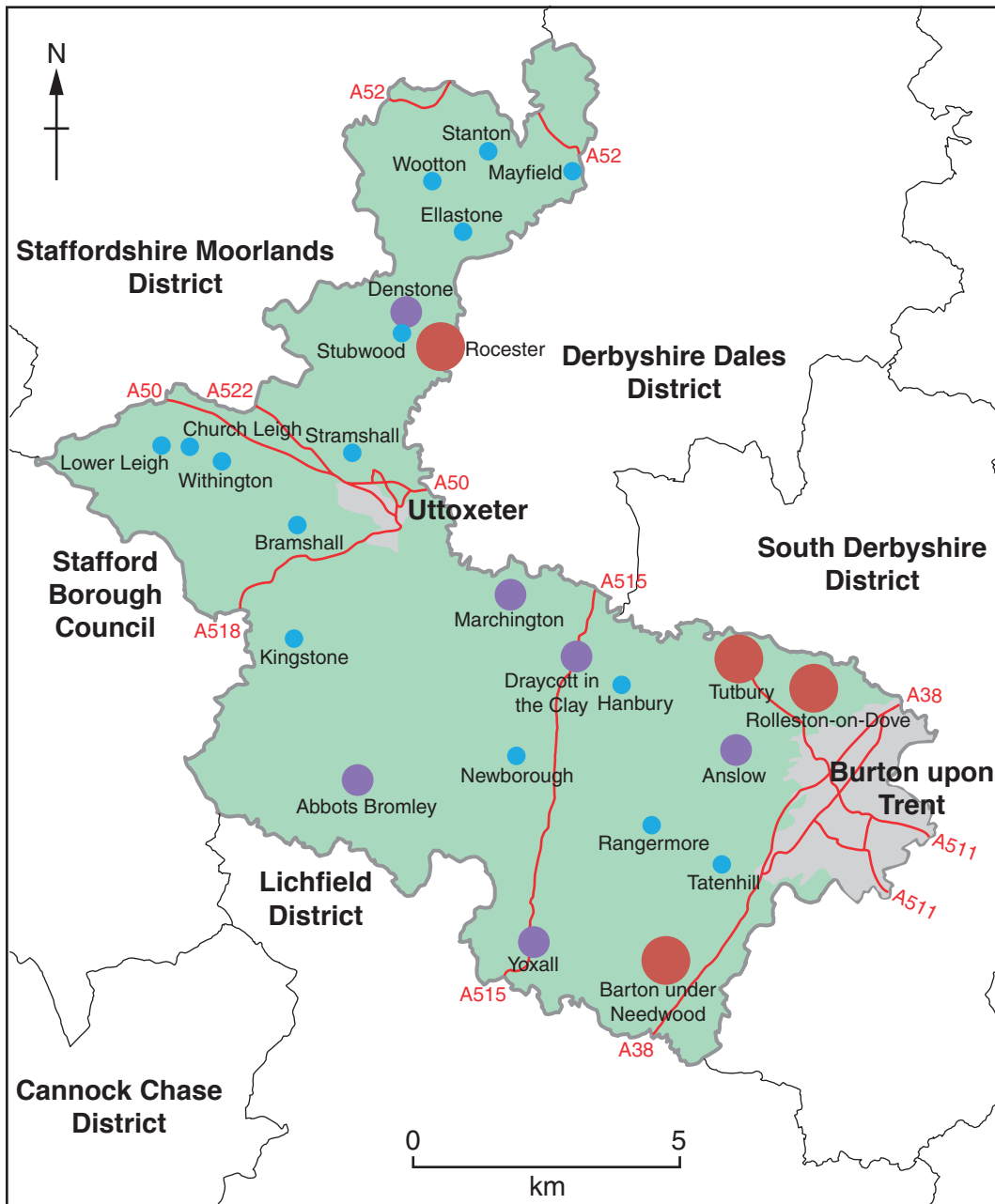
The service score is a composite measure based on the type and number of services present in each settlement. The higher the score, the more services available.

Key

— line of best fit

Fig. 5 for Question 5

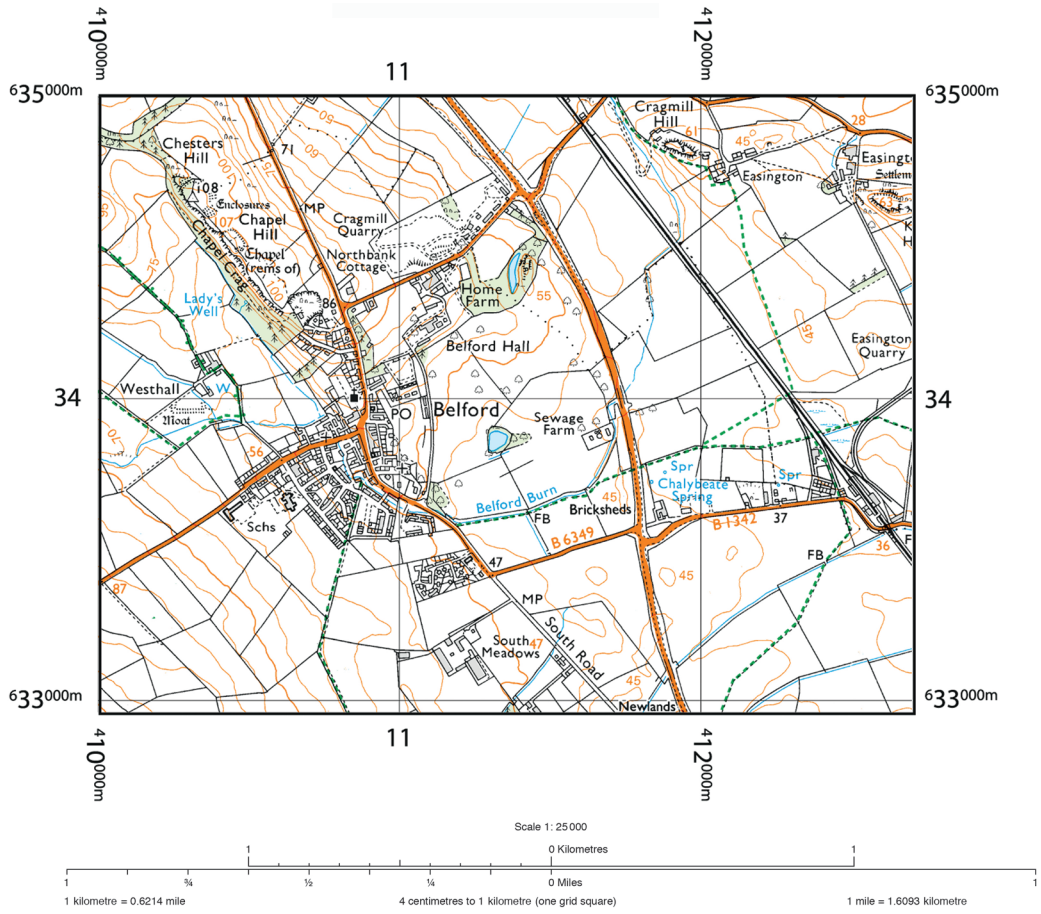
Settlement hierarchy in East Staffordshire, England, 2012



Key

- category 1 - large villages
- category 2 - medium villages
- category 3 - small villages
- A38 main road
- District boundary
- urban area

Fig. 6A for Question 6
The village of Belford, 1981



ROADS AND PATHS

Not necessarily rights of way

	Trunk or Main road
	Secondary road
	Other road, drive or track

Unfenced roads and tracks are shown by pecked lines

..... Path

PUBLIC RIGHTS OF WAY

(Not applicable to Scotland)

Public rights of way shown on this map may not be evident on the ground

} Public paths { Footpath
 } Bridleway

Road used as a public path

Public rights of way indicated by these symbols have been derived from Definitive Maps as amended by later enactments or instruments held by Ordnance Survey

The representation on this map of any other road, track or path is no evidence of the existence of a right of way**RAILWAYS**

Multiple track

SYMBOLS

} Place of worship { with tower
 } with spire, minaret or dome
 } without such additions

• MP, MS Mile Post, Stone

• W, Spr Well, Spring

Chalk pit, clay pit or quarry

VEGETATION

Limits of vegetation are defined by positioning of the symbols but may be delineated also by pecks or dots

} Coniferous trees

} Non-coniferous trees

Orchard

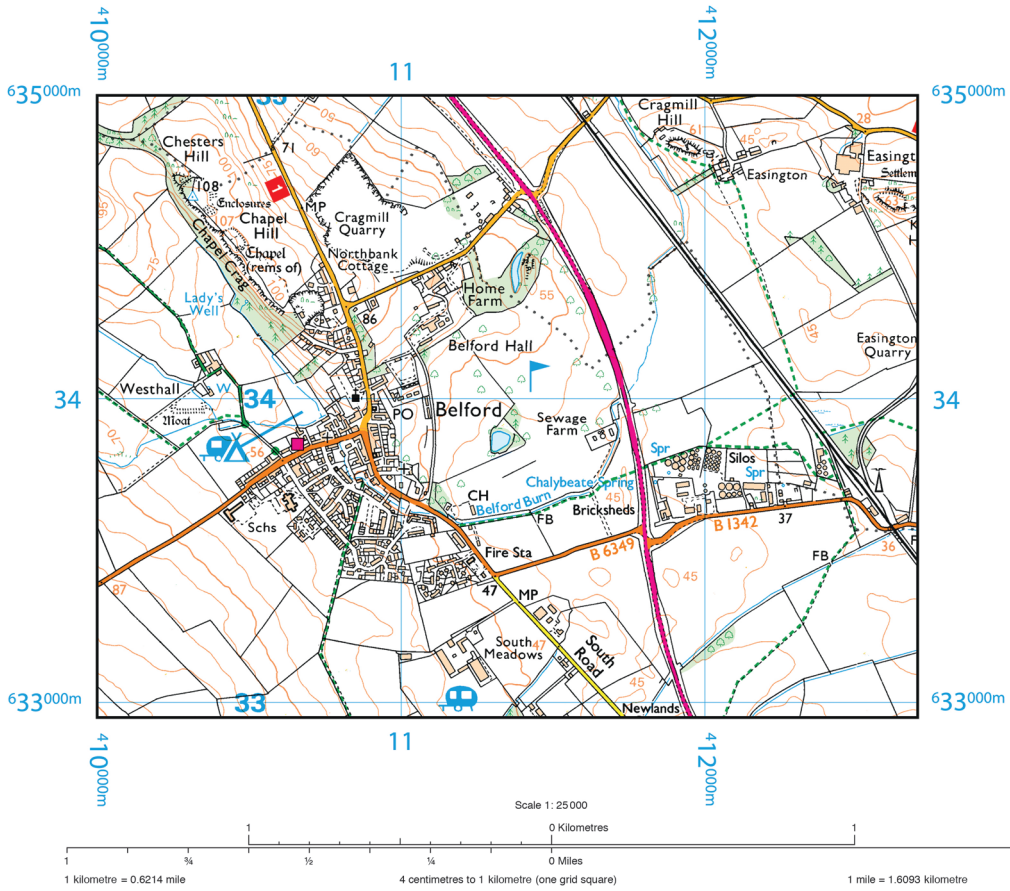
HEIGHTS

50 · } Determined by { ground survey
 285 · } air survey

Surface heights are to the nearest metre above mean sea level. Heights shown close to a triangulation pillar refer to the ground level height at the pillar and not necessarily at the summit

Fig. 6B for Question 6



The village of Belford, 2005



ROADS AND PATHS **Not necessarily rights of way**

 A30 Trunk or Main road

RAILWAYS

 Multiple track
 Cutting; tunnel; embankment

PUBLIC RIGHTS OF WAY **Not shown on maps of Scotland**











 Footpath

The representation on this map of any other road, track or path is no evidence of the existence of a right of way

OTHER PUBLIC ACCESS

 National cycle network route number – on road

GENERAL FEATURES

 Place of worship	 Building; important building
 Current or former place of worship – with tower	 PO Post Office
 Current or former place of worship – with spire, minaret or dome	 Sch School
 Bunkhouse / camping barn / other hostel	 CH Club House
	 FB Footbridge
	 Other pit or quarry

TOURIST AND LEISURE INFORMATION

 Camp site	 Camping and caravan site
 Caravan site	 Golf course or links

VEGETATION

Vegetation limits are defined by positioning of symbols

 Coniferous trees
 Non-coniferous trees
 Orchard

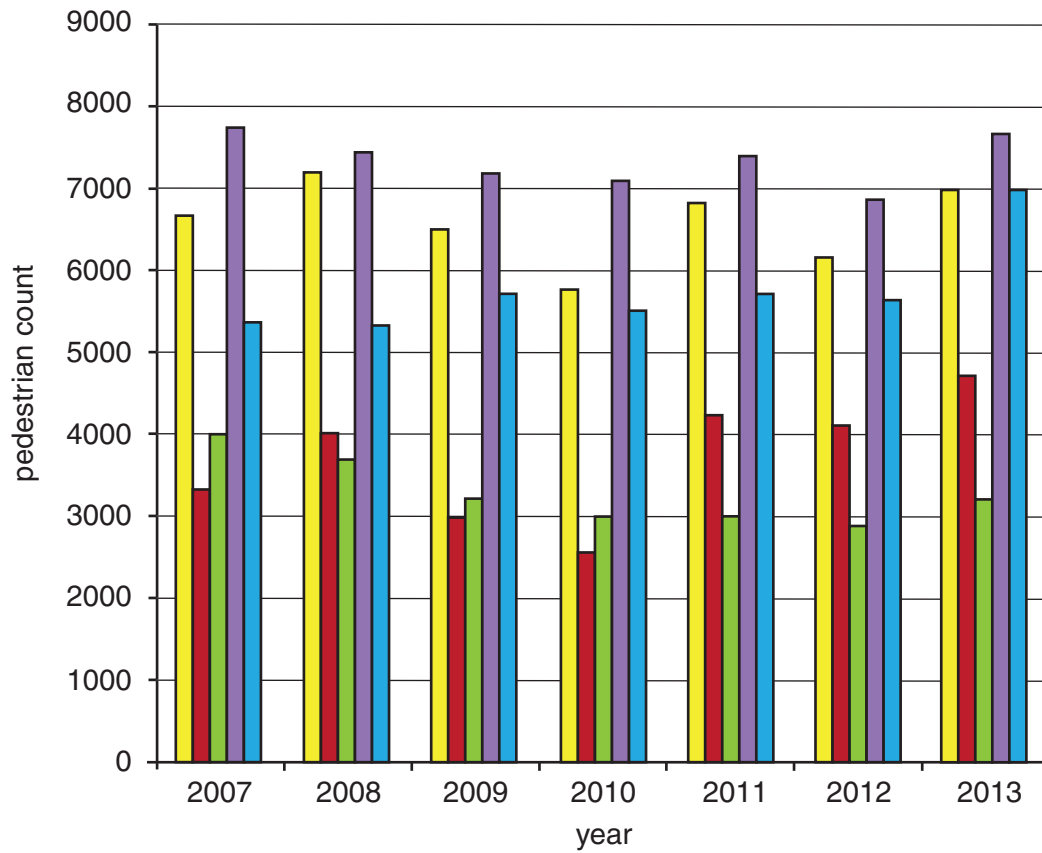
HEIGHTS AND NATURAL FEATURES

52 · Ground survey height
 284 · Air survey height

Surface 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

Fig. 7 for Question 9

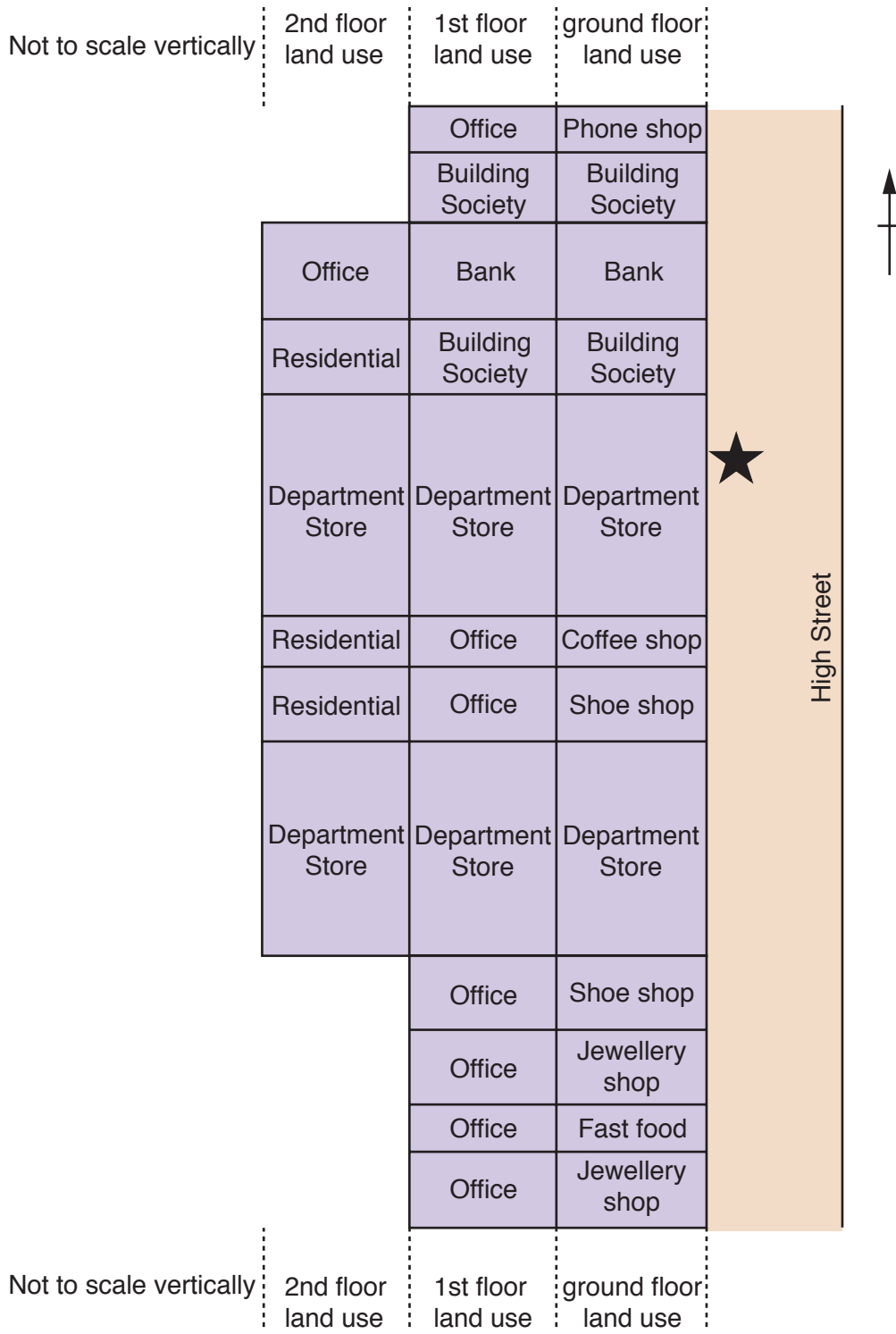
Pedestrian counts at 5 sites within the Central Business District (CBD) of Seattle, USA

**Key**

- site 1
- site 2
- site 3
- site 4
- site 5

Fig. 8 for Question 9

Land use on different floors in part of the CBD of a large city



Key



Peak Land Value Intersection (PLVI)

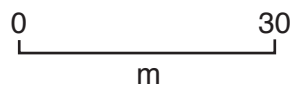
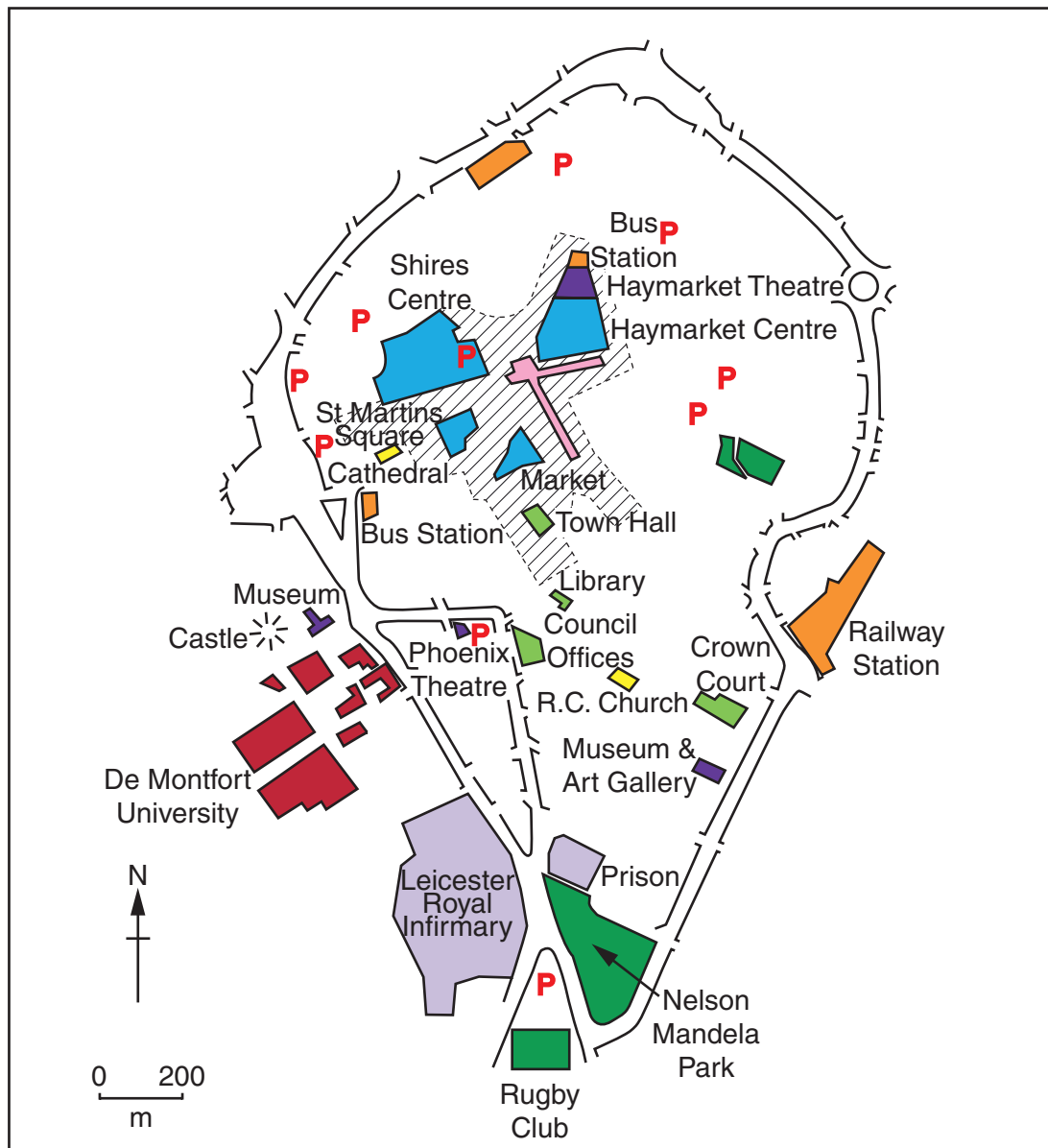


Fig. 9 for Question 10

The CBD of Leicester



Key

- | | | |
|----------------------|----------------------------|-----------|
| university | places of worship | car parks |
| parks/sports grounds | transport | |
| public buildings | shopping centres & markets | |
| hospitals & prisons | pedestrianized | |
| recreation | core of the CBD | |

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