

Exercise walk-through

Settlement Patterns and Survey Methods ■ 5.2

eXercise

You must be able to

- distinguish **clustered** 集聚型, **dispersed** 分散型, and **linear** 线型 settlement
- describe **metes-and-bounds** 界标法, **township-and-range** 镇区法, and **long-lot** 长条地块 survey systems
- link a survey system to the landscape it creates
- identify a pattern from a description

Method — Settlement patterns

Clustered settlements group houses close together; **dispersed** spread them out; **linear** line them along a road or river.

Method — Survey systems

Metes-and-bounds uses natural features and descriptions (irregular plots).

Township-and-range uses a grid of squares. **Long-lot** divides land into narrow strips reaching a river or road.

Method — Landscape imprint

Each survey system leaves a distinct **cultural landscape** — irregular fields, a rigid grid, or narrow riverfront strips.

Practice 2.1 ■ 2 marks

State the difference between clustered and dispersed settlement.

Solution 2.1

Method: Settlement patterns

Worked steps

clustered = houses grouped close together **B1**; dispersed = houses spread far apart **B1**.

Practice 2.2 ■ 2 marks

Describe the long-lot survey system.

Solution 2.2

Worked steps

land divided into long narrow strips **B1** each with access to a river or road **B1**.

Practice 2.3 ■ 1 mark

A region is divided into a rigid grid of square parcels.

- (a) Name this survey system.
- (b) Name the settlement pattern where farms are spread evenly across it.

Solution 2.3

Method: Landscape imprint

Worked steps

(a) township-and-range **B1**. (b) dispersed **B1**.

Exam-style 3.1 ■ 1 mark

Houses strung out along a river form a

A clustered settlement

B linear settlement

C dispersed settlement

D primate city

Solution 3.1

Method: Settlement patterns

A clustered settlement

B linear settlement



C dispersed settlement

D primate city

Worked steps

B. houses along a line (river/road) = linear settlement.

Exam-style 3.2 ■ 1 mark

A survey system using landmarks and verbal descriptions, giving irregular plots, is

A township-and-range

B metes-and-bounds

C long-lot

D the gravity model

Solution 3.2

Method: Survey systems

A township-and-range

B metes-and-bounds 

C long-lot

D the gravity model

Worked steps

B. landmark-based, irregular plots = metes-and-bounds.

Exam-style 3.3 ■ 1 mark

Narrow farm strips each touch a river for water and transport.

- (a) Name this survey system.
- (b) Explain one advantage it gave farmers.

Solution 3.3

Worked steps

(a) long-lot **B1**. (b) each farm had river access for water and shipping goods **B1**.