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GEOGRAPHY**0460/21**

Paper 2 Geographical Skills

May/June 2026**1 hour 30 minutes**

You must answer on the question paper.

You will need: Insert (enclosed) Plain paper
 1:25 000 survey map (enclosed) Protractor
 Calculator Ruler

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen. Do **not** use correction fluid or tape.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined pages at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains additional resources referred to in the questions.

LEDCs – Less Economically Developed Countries

MEDCs – More Economically Developed Countries

This document has **20** pages. Any blank pages are indicated.

1 Study the map extract for Puntallana on the island of La Palma, Spain. The scale is 1 : 25 000.

(a) Figure 1.1 shows some of the features in the centre of the map extract.

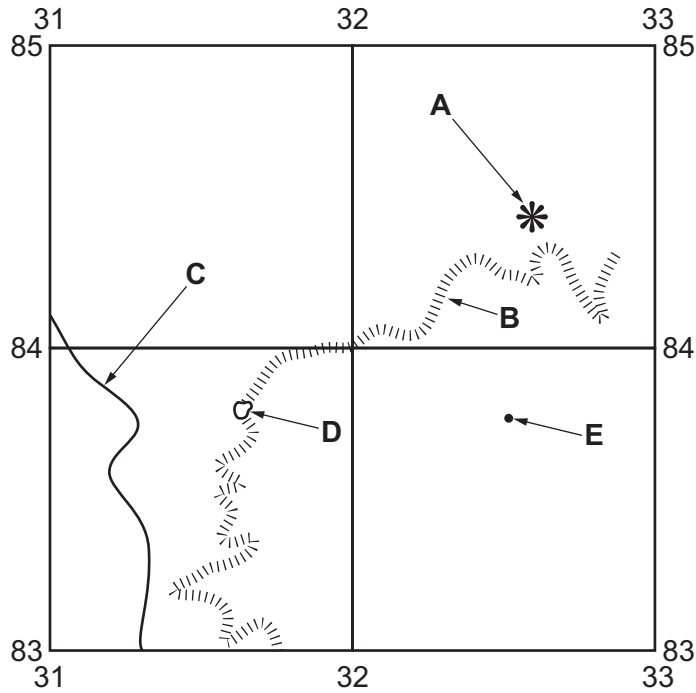


Figure 1.1

Using the map extract, identify the following features shown in Figure 1.1:

(i) feature **A**

..... [1]

(ii) feature **B**

..... [1]

(iii) type of road at **C**

..... [1]

(iv) water feature at **D**

..... [1]

(v) height above sea level of the spot height at **E**.

..... metres [1]



(b) Identify **three** tourist features in the settlement of Llano del Molino in the north-west of the map extract.

1

2

3

[3]

(c) Find the short distance footpath (PR4) in the south of the map extract.

(i) What is the distance along the footpath **from** the western edge of the map **to** the church in Puntallana? Tick **one** box.

	tick (✓)
2.5 km	
3.5 km	
4.3 km	
5.0 km	

[1]

(ii) What is the compass direction **from** where the footpath meets the western edge of the map extract **to** the church in Puntallana?

..... [1]

(iii) Give the six-figure grid reference of the church in Puntallana. Tick **one** box.

	tick (✓)
829313	
313829	
319823	
829813	

[1]



(d) Figure 1.2 is a cross-section along northing 82 from 310820 to 330820.

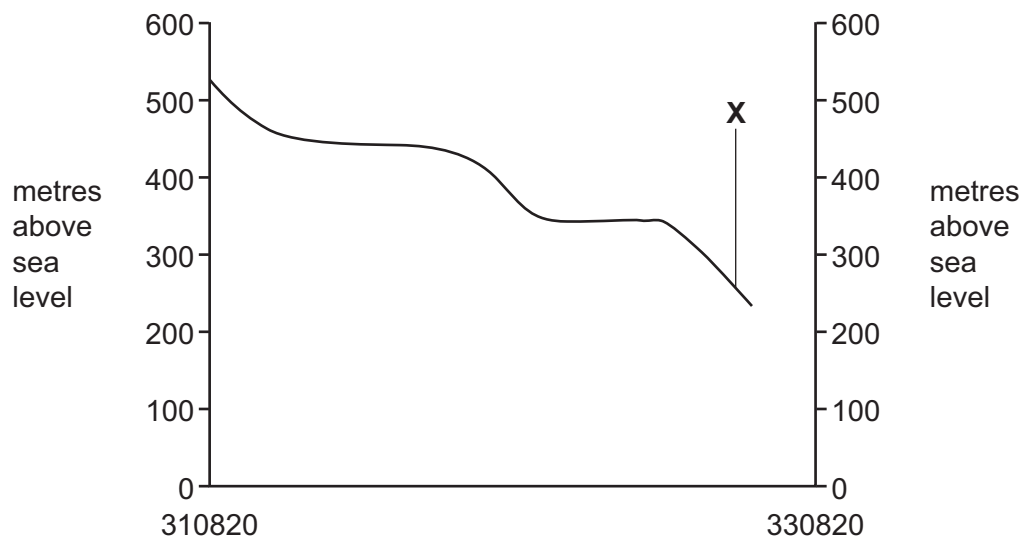


Figure 1.2

(i) Identify the feature at **X**.

..... [1]

(ii) The cross-section shown in Figure 1.2 is incomplete.

Using information from the map extract, draw a line on Figure 1.2 to complete the cross-section.

[1]

(e) Study the settlement of Puntallana. Suggest reasons for its location.

.....

.....

.....

.....

.....

.....

..... [3]



(f) Study Figure 1.3, which shows the settlements of Puntallana and El Granel.

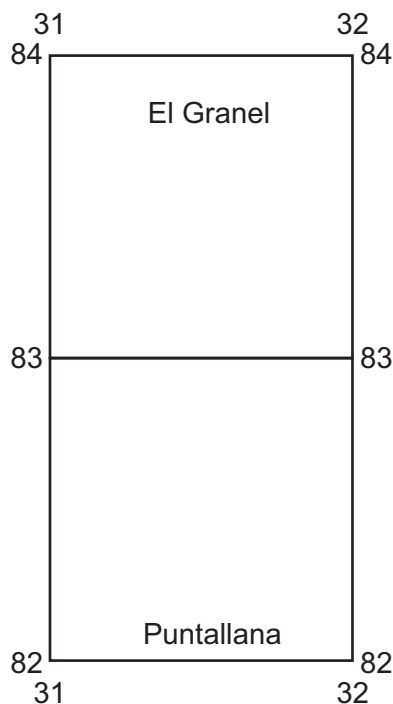


Figure 1.3

The table compares the features of both areas.

Complete the table by putting ticks in the correct **four** boxes. Use only **one** tick (✓) for each row.

	Puntallana (3182)	El Granel (3183)	both of these areas	neither of these areas
asphalt track				
church				
heliport				
rural tourism house				

[4]

[Total: 20]



2 Figure 2.1 (Insert) shows the number of people born in China who have migrated to live in other countries.

(a) Put the following countries in rank order for the number of people born in China who live in the following countries.

Brazil India Spain USA

.....	high
.....	↑
.....	↓
.....	low

[2]

(b) Describe the global distribution of Chinese migrants. Do **not** use statistics in your answer.

.....

.....

.....

..... [2]

(c) Suggest **two** advantages and **two** disadvantages for migrants of living in other countries.

advantages

1

.....

2

.....

disadvantages

1

.....

2

.....

[4]

[Total: 8]





Turn over



- 3 Figure 3.1 shows part of the settlement hierarchy for Cambridge, a city in the UK, and the surrounding area.

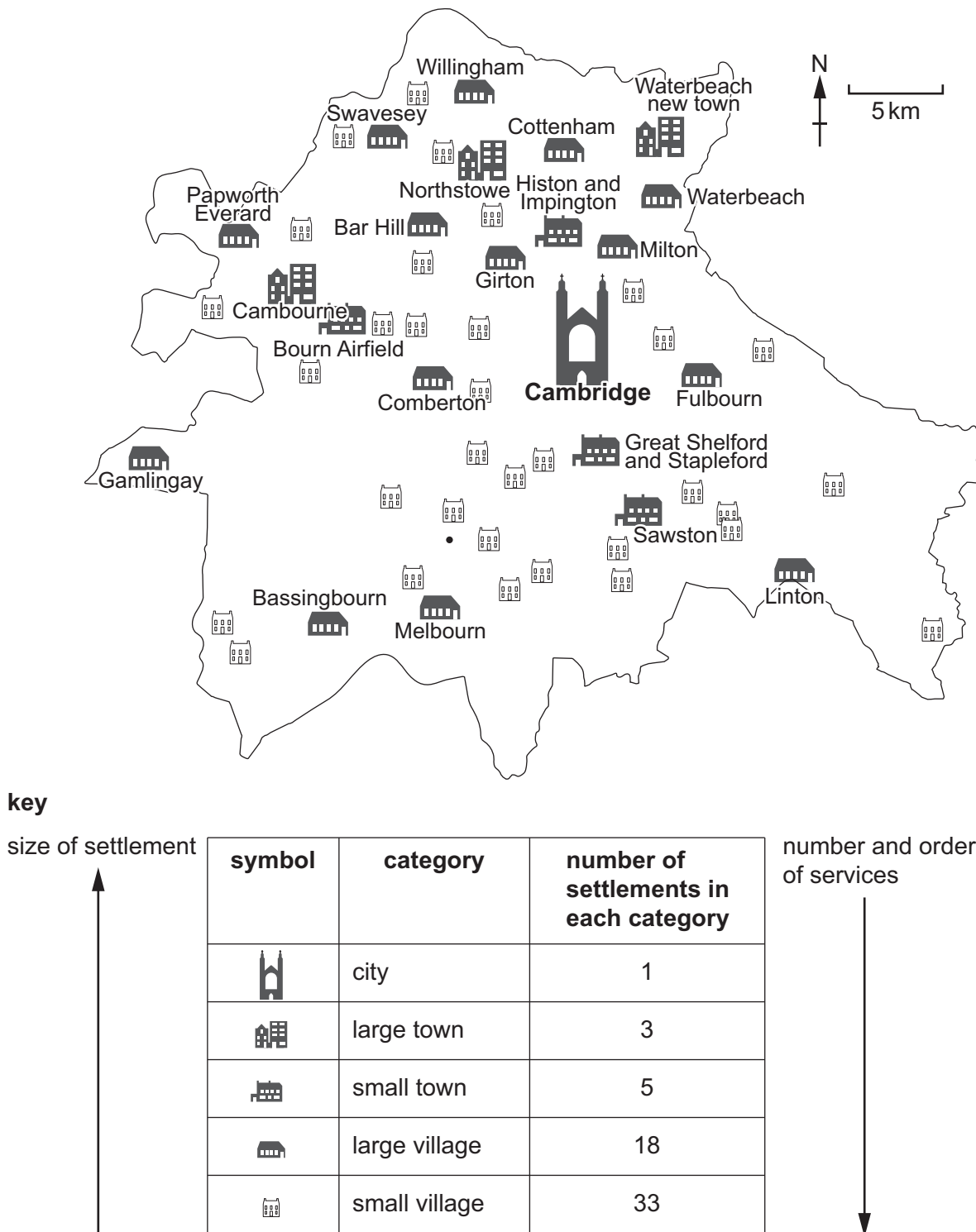


Figure 3.1



- (a) Describe the relationship between the size of the settlement and the number of settlements in that category.

.....
 [1]

- (b) (i) Study the following list of services. Circle **two** high-order services that would **only** be found in the city of Cambridge.

market school post office
 university department store supermarket

[2]

- (ii) Locate Cambourne and Melbourn in Figure 3.1. Compare the number of services available to residents in each settlement.

.....
 [1]

- (c) (i) Figure 3.2 (Insert) shows a clothing shop in Cambridge, and Figure 3.3 (Insert) shows a clothing shop in Melbourn.

State how these shops will differ. Tick **two** correct answers.

	tick (✓)
Cambridge shop will have a larger range of goods	
Melbourn shop will have a larger range of goods	
both shops will have the same range of goods	
Cambridge shop will have a smaller threshold population	
Melbourn shop will have a smaller threshold population	
both shops will have the same threshold population	

[2]

- (ii) Suggest **two** advantages for the residents of Melbourn of shopping in their local clothing shop.

1

 2
 [2]

4 Figure 4.1 (Insert) shows a volcano on the island of Lanzarote, Spain.

(a) Describe the features of the volcano.

.....

.....

.....

.....

.....

.....

..... [4]

(b) Figure 4.2 shows the Volcanic Explosivity Index (VEI).

VEI category	volume of ejected materials (km ³)
0	< 0.0001
1	> 0.0001
2	> 0.001
3	> 0.01
4	> 0.1
5	> 1
6	> 10
7	> 100
8	> 1000

Figure 4.2

(i) The volcano shown in Figure 4.1 ejected 62 km³ of materials during its last major eruption. What number is this in the VEI?

..... [1]



- (ii) Figure 4.3 is a bar graph showing the Volcanic Explosivity Index (VEI) and the number of eruptions in each category.

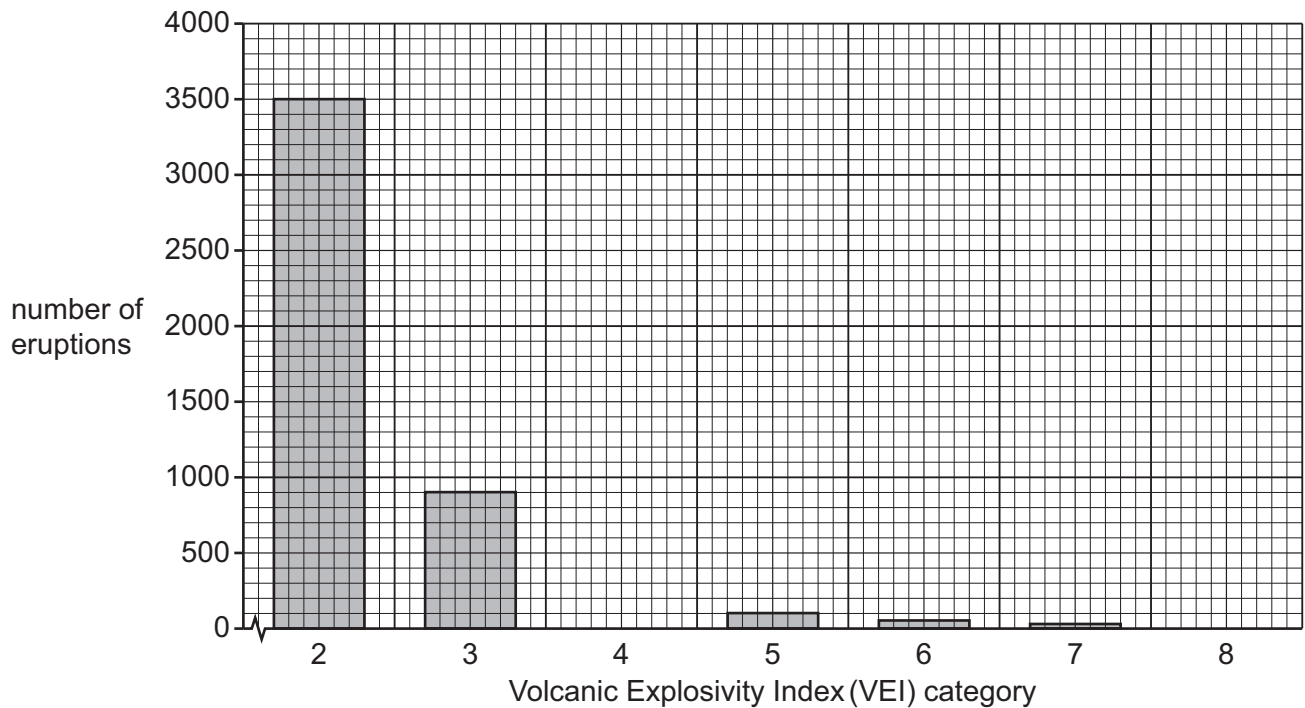


Figure 4.3

Complete the bar graph to show there were 300 volcanic eruptions with a VEI of 4. [1]

- (iii) Describe the relationship between the VEI category and the number of eruptions. You should use statistics in your answer.

.....

.....

.....

..... [2]

[Total: 8]

5 (a) Figure 5.1 shows weather data for a week in March in town A.

date	min. temperature (°C)	max. temperature (°C)	relative humidity (%)	wind direction	wind speed (m/s)
22 March	18	22	52	SSE	6.3
23 March	17	23	49	SSE	5.9
24 March	18	21	74	SSW	7.1
25 March	17	19	54	SSE	10.0
26 March	16	26	44	SE	9.8
27 March	16	27	46	SSE	7.8
28 March	16	29	45	SSE	5.0

Figure 5.1

(i) What is the largest daily temperature range?

..... °C [1]

(ii) Which date has the lowest relative humidity?

..... [1]

(iii) What is the most frequent wind direction?

..... [1]

(iv) Calculate the average wind speed.

..... m/s [1]



(b) Figure 5.2 shows weather data for the same week in March in town B.

date	min. temperature (°C)	max. temperature (°C)	relative humidity (%)	wind direction	wind speed (m/s)
22 March	20	29	27	W	5.2
23 March	18	31	32	E	5.8
24 March	17	31	33	SE	5.4
25 March	18	31	31	SW	4.1
26 March	16	30	36	NNE	6.9
27 March	16	19	80	N	4.8
28 March	14	26	51	N	4.4

Figure 5.2

Compare the weather in town A and town B.

Do **not** use statistics in your answer.

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 8]



6 (a) Figure 6.1 shows information about drinking water sources in LEDCs.

- (i) Complete Figure 6.1 by calculating the percentage of water from an improved water source.

type of water source	description	amount of water from this source in LEDCs (100%)
improved water source	has the potential to deliver safe water due to its design	 %
unimproved water source	from an unprotected source	16%
surface water	directly from a river, dam, lake, pond, stream or canal	5%

Figure 6.1

[1]

- (ii) Figure 6.2 is a pie graph to show this data.

Complete the pie graph to show the percentage of water from an unimproved water source and surface water.

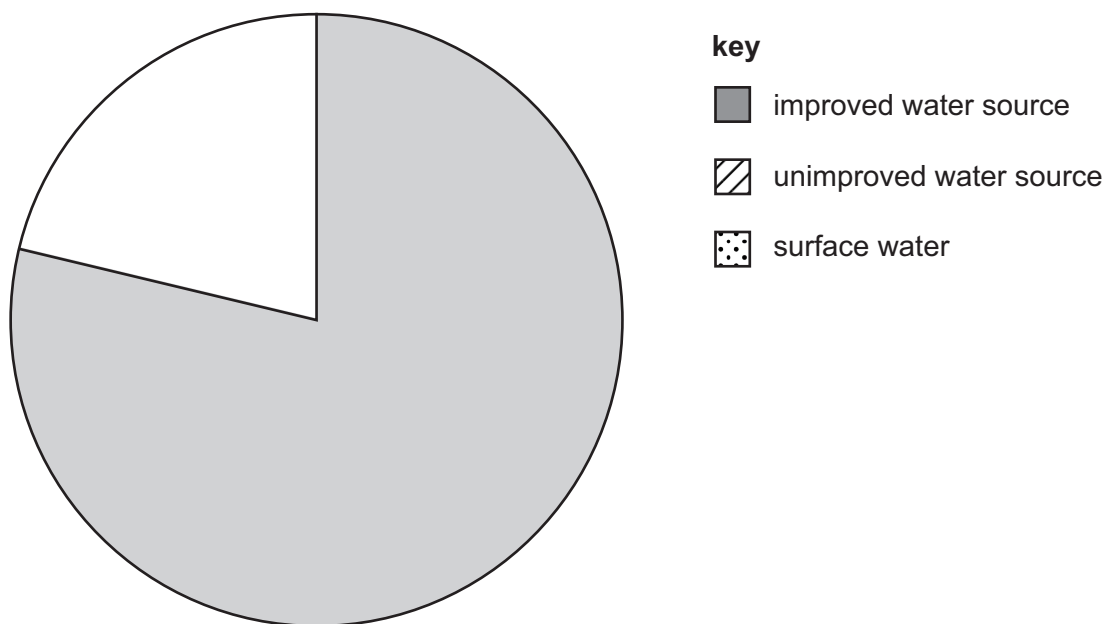


Figure 6.2

[2]



(b) Figure 6.3 shows an example of a well, which is an improved water source.

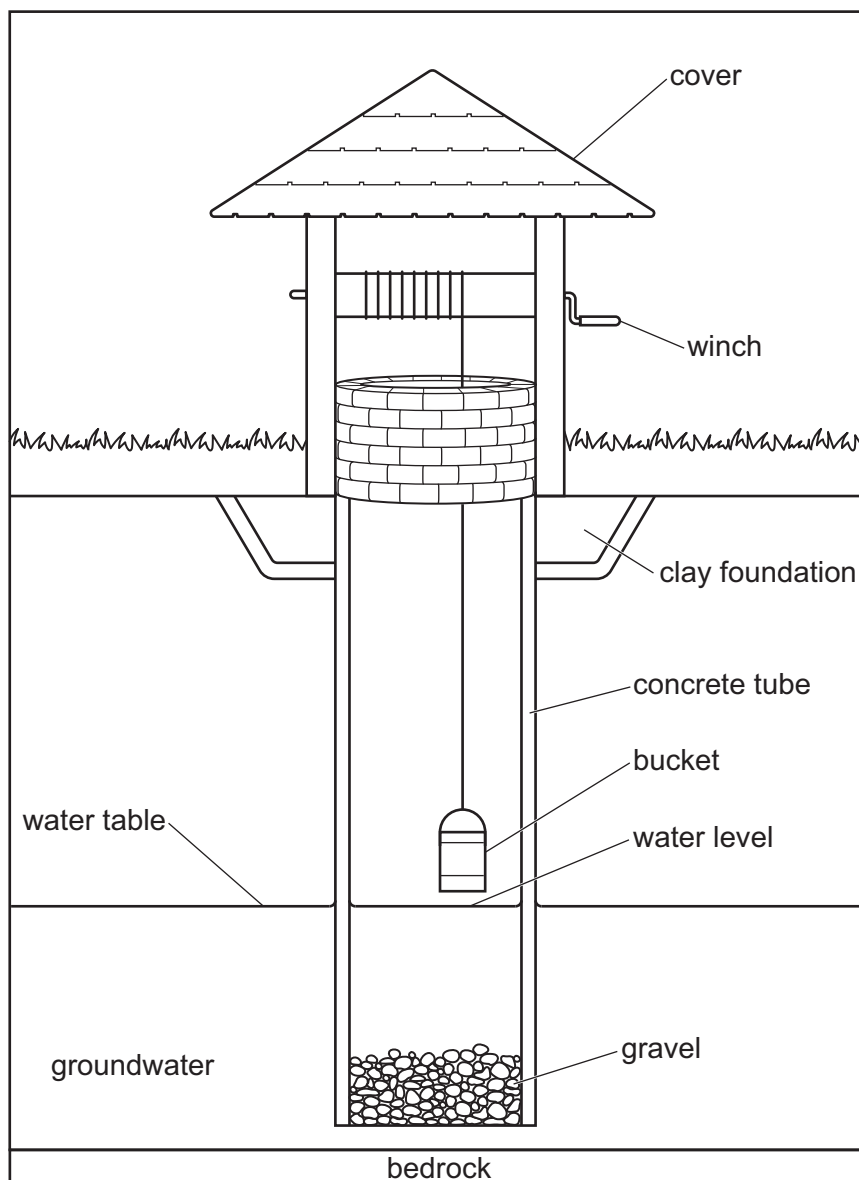


Figure 6.3

Using Figure 6.3, describe how water is extracted from this water source.

.....

.....

.....

.....

.....

.....

.....

.....

[3]



(c) An alternative improved water source is piped water.

Suggest **two** ways in which piped water may be a better water source than the well shown in Figure 6.3.

1

.....

2

.....

[2]

[Total: 8]





Additional page

If you use the following page to complete the answer to any question, the question number must be clearly shown.

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting practice. There are no margins, text, or other markings on the page.



This image shows a full page of a handwriting practice worksheet. It consists of multiple rows of horizontal dashed lines spaced evenly apart, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text on the page.



Additional page

If you use the following page to complete the answer to any question, the question number must be clearly shown.

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