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GEOGRAPHY **0460/12**

Paper 1 Geographical Themes **October/November 2025**

1 hour 45 minutes

You must answer on the question paper.

You will need: Insert (enclosed) Ruler
Calculator
Protractor

INSTRUCTIONS

- Answer **three** questions in total, **one** from each section.
- 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 or correction fluid.
- 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 75.
- 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 **28** pages.

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Section A

Answer **one** question from this section.

1 **(a)** Study Fig. 1.1 (Insert), a map showing migration routes in Central America.

(i) What is meant by 'migration' of people?

.....

..... [1]

(ii) Using Fig. 1.1 **only**, identify an example of an

internal migration route in Mexico

..... to .....

international migration route.

..... to .....

[2]

(iii) Many of the migrants from Central America are hoping to reach MEDCs in North America. Describe **three** pulls (attractions) of MEDCs to international migrants.

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[3]

(iv) Describe the difficulties migrants from Mexico are likely to face when they arrive in a new country.

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(b) Study Fig. 1.2, information about change in the population of selected urban areas in the USA between 2000 and 2020.

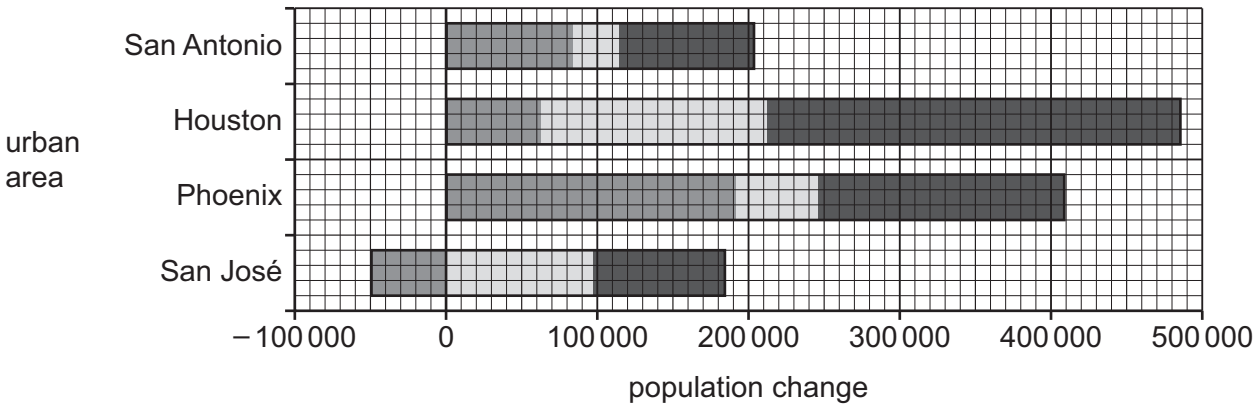

Fig. 1.2

(i) Using Fig. 1.2 **only**, identify the urban area which has had

the largest overall increase in population

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the smallest increase in population of international migrants

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a decline in the number of internal migrants.

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(ii) How far do you agree that receiving large numbers of international migrants benefits urban areas in MEDCs?

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(c) For a named country you have studied, describe the problems caused by **underpopulation**.

Name of country .....

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2 **(a)** Study Fig. 2.1 and Fig. 2.2 (Insert).

Fig. 2.1 is a map showing land use in an urban area in Germany, an MEDC in Europe.

Fig. 2.2 is an image of a new high technology industrial park which is to be built on disused land at **X** in Fig. 2.1.

(i) Which urban zone is shown in Fig. 2.1?
Tick (✓) your answer on the following table.

	tick (✓)
central business district (CBD)	
high-cost housing area	
inner city area with mixed land use	
outer suburban residential area	

[1]

(ii) Identify the main land use in the following grid squares.

A1 .....

B2 .....

[2]

(iii) Using Fig. 2.2 **only**, describe **three** features of the new high technology industrial park.

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[3]

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(iv) The new high technology industrial park is to be built on disused land at **X** in Fig. 2.1.

Suggest reasons why some people are in favour of building the new high technology industrial park, whereas other people are against it.

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(b) Study Fig. 2.3 (Insert), which is a photograph taken in the central business district (CBD) of Amsterdam, a city in the Netherlands, an MEDC in Europe.

(i) Using Fig. 2.3 **only**, describe **three** characteristics of the CBD of Amsterdam.

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[3]

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(ii) Suggest reasons why many shops and services in the CBD of Amsterdam have a large sphere of influence.

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(c) For a named urban area you have studied, explain why traffic congestion occurs.

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Section B

Answer **one** question from this section.

3 **(a)** Study Fig. 3.1, a flood hydrograph of a river after heavy rainfall.

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Fig. 3.1

(i) What was the peak discharge of the river after the heavy rainfall?

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(ii) Define the following processes.

overland flow .....

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throughflow .....

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(iii) Explain why the river's peak discharge does not occur until more than 24 hours after the rain has stopped.

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(iv) Explain why the following changes to the drainage basin will influence river discharge.

deforestation along the valley sides

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building a large reservoir close to the river's source

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(b) Study Fig. 3.2 (Insert), which is a photograph of part of a river.

(i) Describe the differences between the two banks of the river, which are labelled **X** and **Y** in Fig. 3.2.

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(ii) Explain why the two banks of the river shown in Fig. 3.2 are different from each other.

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(c) Explain how a waterfall is formed on a river.
You should use a labelled diagram.

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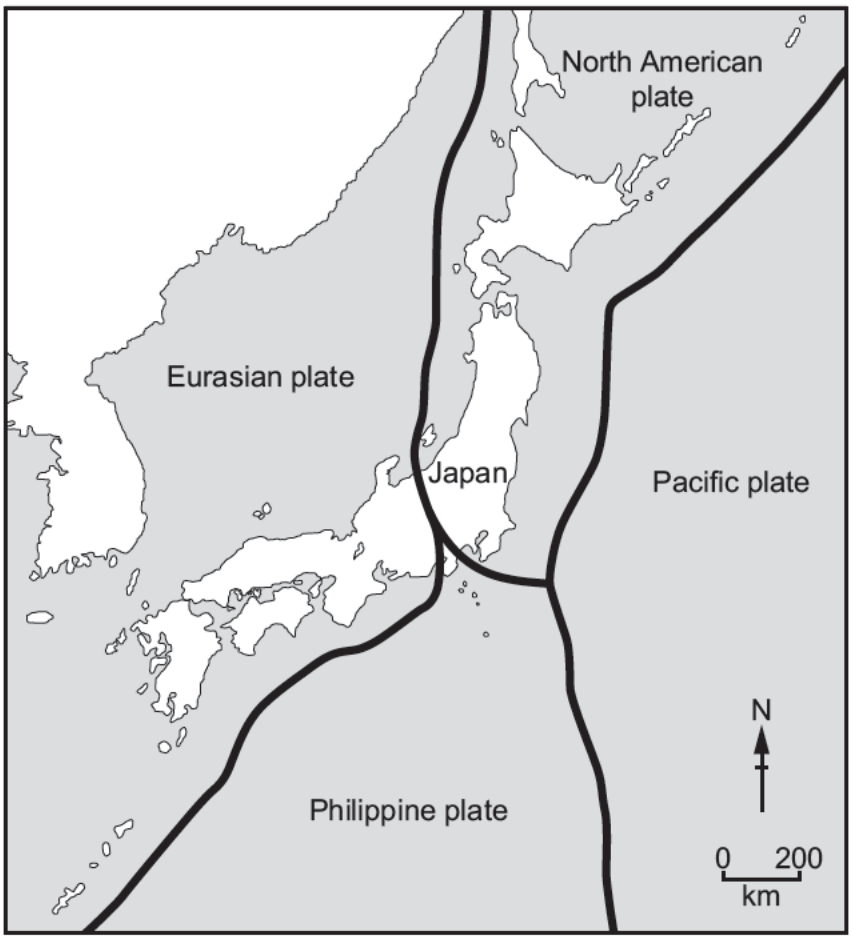
4 (a) Study Fig. 4.1 (Insert) and Fig. 4.2.

Fig. 4.1 shows information about the risk of earthquakes in Japan.
Fig. 4.2 shows the tectonic plates surrounding Japan, an MEDC in Asia.



Key
plate boundary

Fig. 4.2

(i) Using Fig. 4.1 **only**, identify which of the following locations has a very low risk of earthquakes.

Tick **(✓)** the correct answer in the following table.

	tick (✓)
north-east Shikoku	
northern Hokkaido	
southern Kyushu	
south-east Honshu	

[1]

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(ii) Using Fig. 4.1 **only**, describe the distribution of the areas in Japan with a very high risk of earthquakes.

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..... [2]

(iii) Using Fig. 4.2, explain why many earthquakes occur in Japan.

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(iv) Explain why many people live in MEDCs such as Japan, where there is a high risk of earthquakes.

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(b) Study Fig. 4.3, a cross-section of an earthquake.

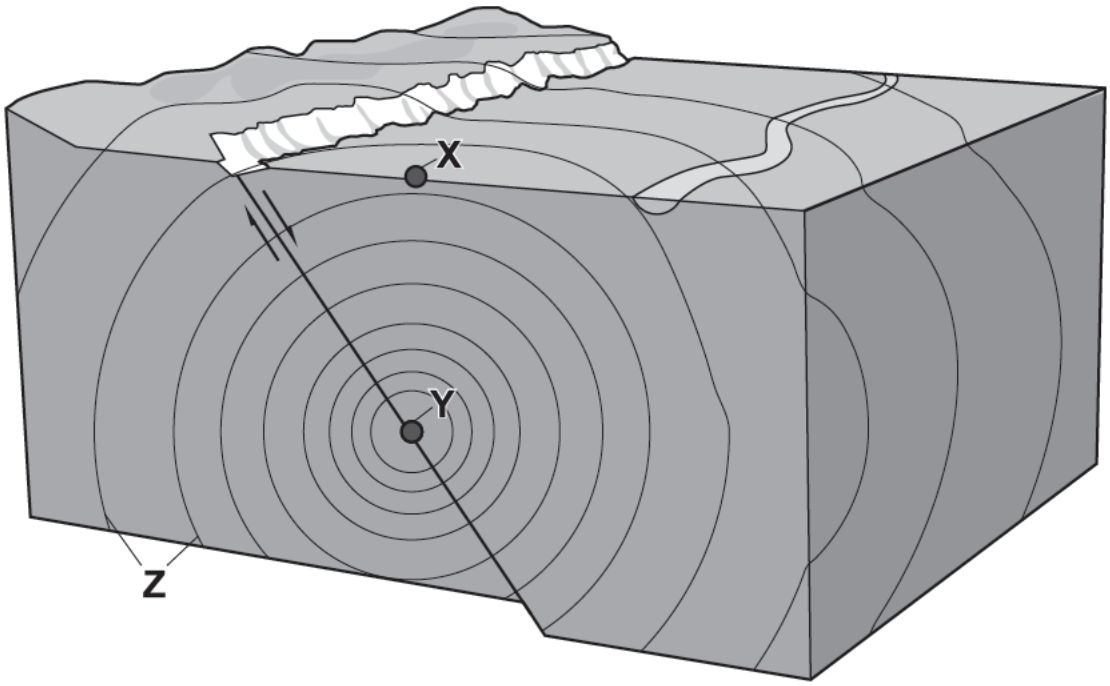

Fig. 4.3

(i) Name the features labelled **X**, **Y** and **Z** in Fig. 4.3.

X .....

Y .....

Z .....

[3]

(ii) Explain why earthquakes of the same intensity could cause more damage and loss of life in LEDCs than they do in MEDCs.

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(c) Another hazard is **flooding**. For a named example of a **river** you have studied, explain why flooding has occurred.

Name of river .....

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Section C

Answer **one** question from this section.

5 **(a)** Study Fig. 5.1, a map showing part of Türkiye and Greece where the tourist industry is important.

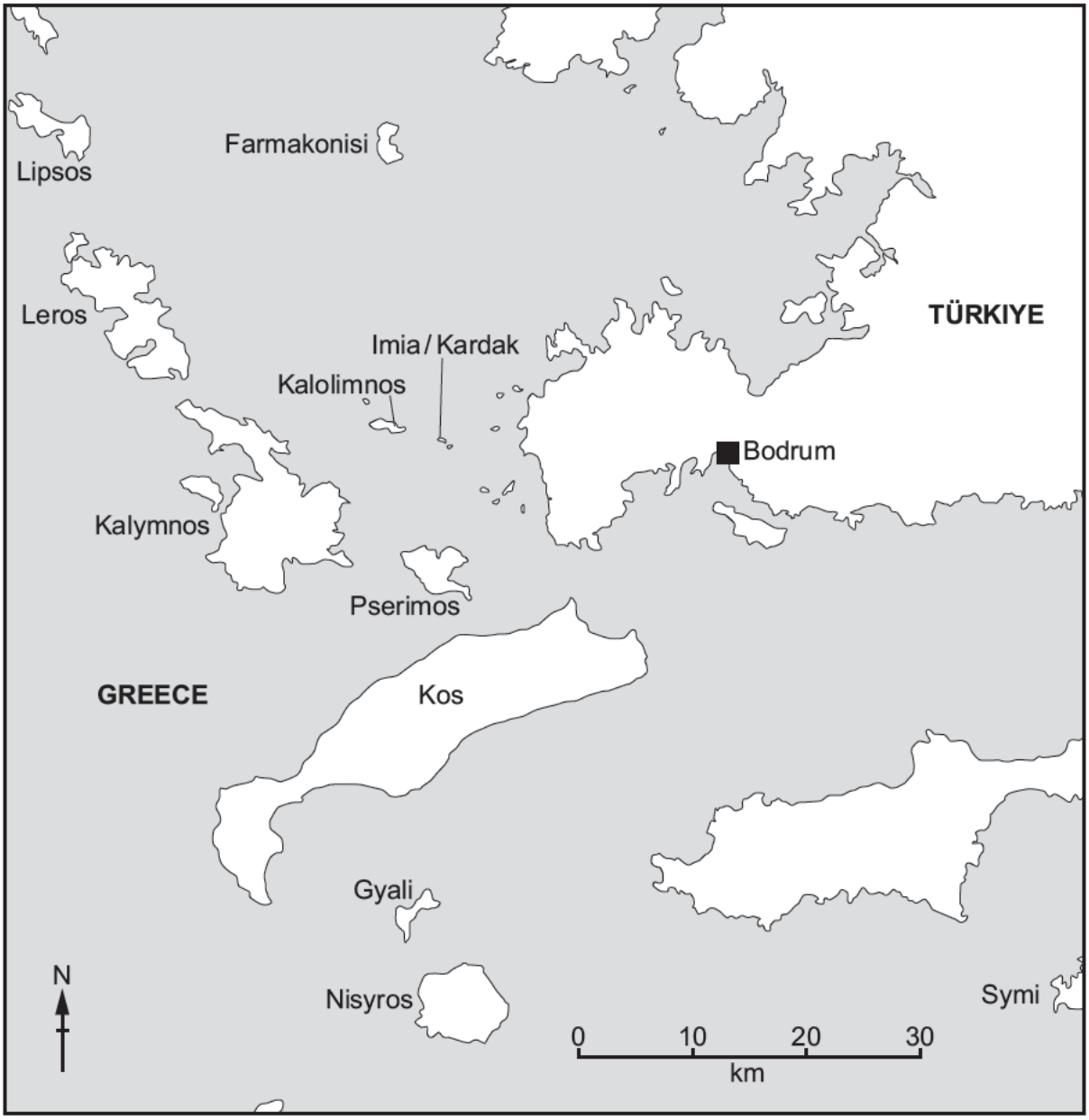

Fig. 5.1

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(i) What is the straight line distance **from** Bodrum **to** Nisyros?

..... km [1]

(ii) Describe the location of the island of Pserimos.

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..... [2]

(iii) Suggest reasons why unspoilt islands are attractive locations for tourists to visit.

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..... [3]

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(b) Study Figs. 5.2 and 5.3 (Insert), photographs of the island of Pserimos, Greece, an MEDC in Europe.

(i) Using Figs. 5.2 and 5.3, suggest **three** different ways that the tourist industry may damage the natural environment in Pserimos.

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[3]

(ii) Suggest problems which tourism may cause for the people who live in the area shown in Fig. 5.3.

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(iii) Suggest ways in which tourism in Pserimos could be managed so that problems for local people and the natural environment are reduced.

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(c) For a named area you have studied where tourism is important, describe the benefits of the tourist industry for people and the economy.

Name of area .....

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6 **(a)** Study Fig. 6.1, a map showing information about an oil spill from the *Wakashio*, a large ship, off the coast of Mauritius in July 2020.

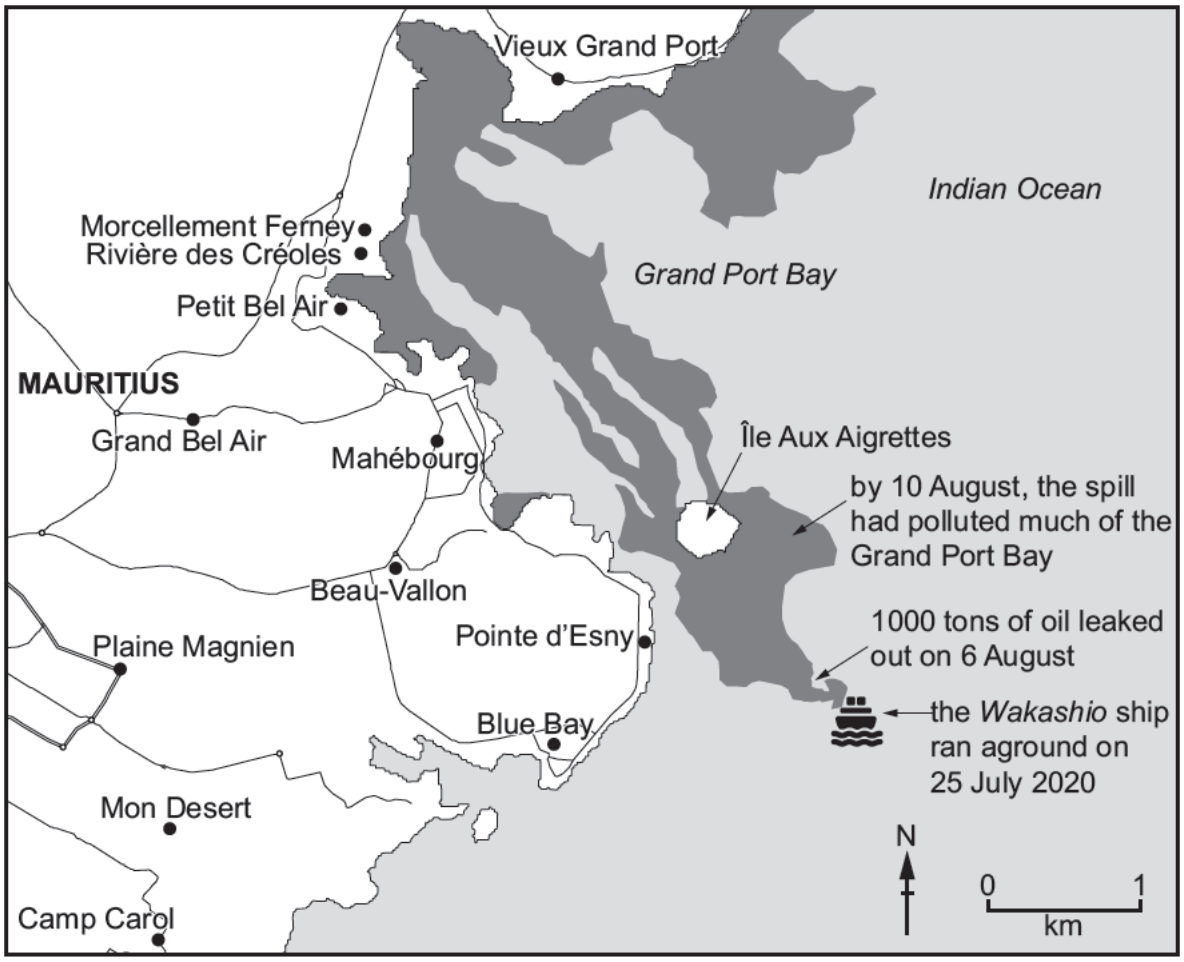

Fig. 6.1

(i) What is the straight line distance **from** the *Wakashio* ship **to** Pointe d'Esny?

..... km [1]

(ii) Describe the location of the areas affected by the oil spill from the *Wakashio* ship.

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(iii) Suggest **three** problems which the oil spill may have caused for people living in settlements around Grand Port Bay.

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[3]

(iv) The *Wakashio* ship ran aground on a coral reef.
Explain **two** impacts of this on the natural environment of the coral reef.

1 .....

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[4]

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(b) Study Fig. 6.2, information showing the percentage of water used for different purposes in different parts of the world.

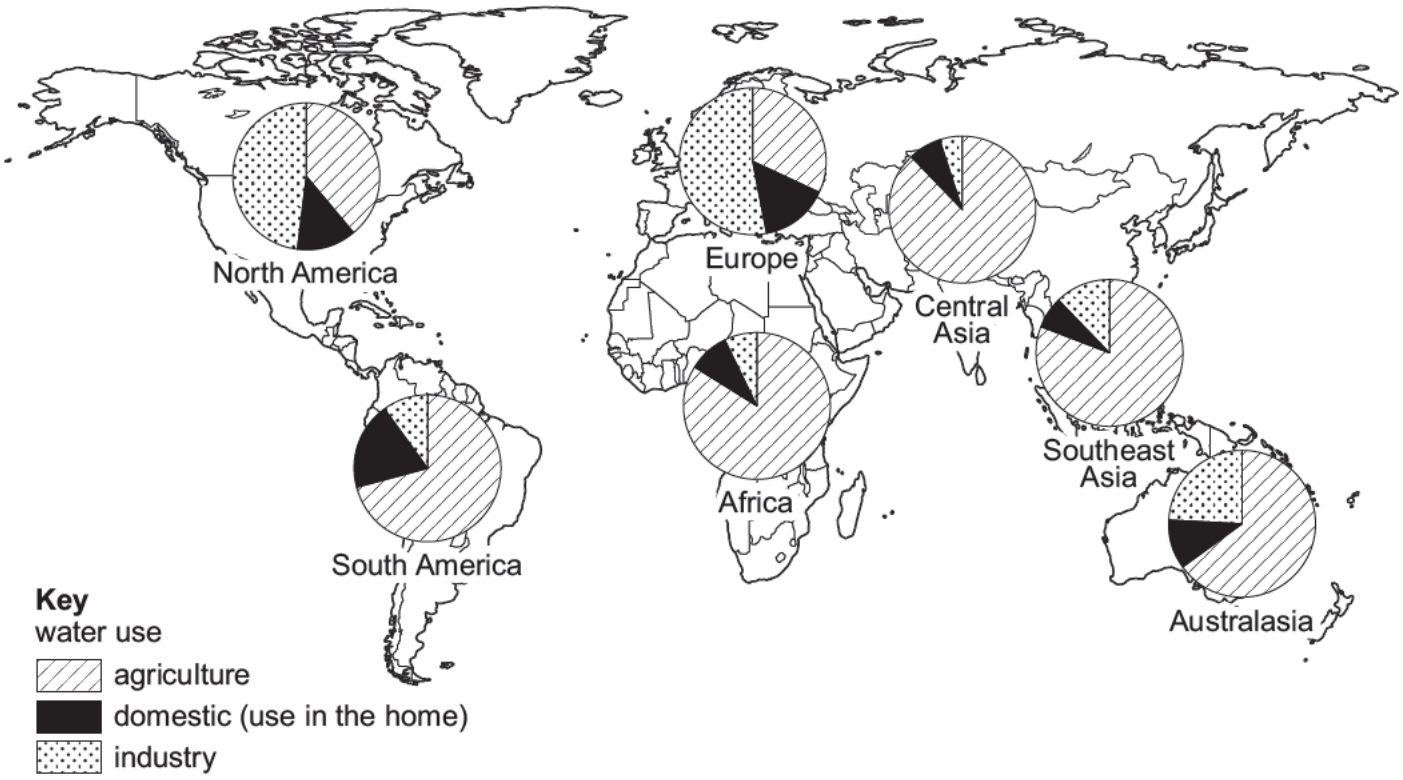

Fig. 6.2

(i) Compare the percentage of water used for agriculture, industry and for domestic purposes in North America and Southeast Asia.
Do **not** use statistics.

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(ii) Suggest reasons why the percentage of water used for domestic purposes varies in different parts of the world.

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(c) For a named country or area you have studied, explain how water is supplied.

Name of country or area .....

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