

Skills

These practice questions can be used by students and teachers and is

Suitable for GCSE AQA Geography Topic Questions 8035

Level: GCSE AQA 8035

Subject: Geography

Exam Board: GCSE AQA

Topic: Skills

GCSE GEOGRAPHY

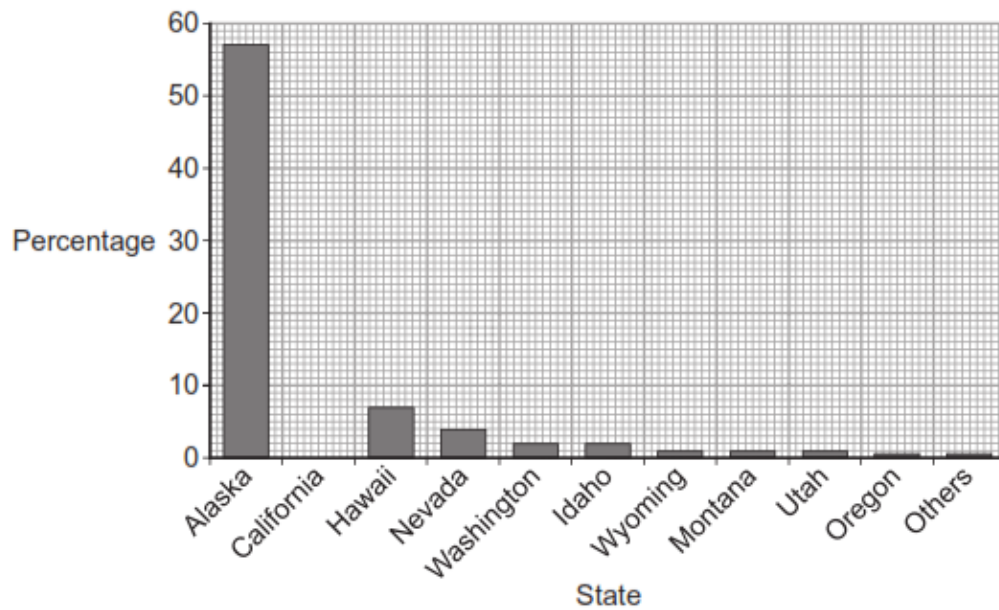
Name:

Skills

Complete the questions as instructed by your teacher.

Then fill in the self-assessment form as fully as you can to help you reflect on your work.

- 1 Study the graph below. It shows the percentage of earthquakes that occurred in states of the USA (1974–2008).



- (a) Complete the graph. Use the information below.

California = 24%

(1)

- (b) What percentage of the earthquakes occurred in Hawaii?

Put an X in **one** box only.

5%

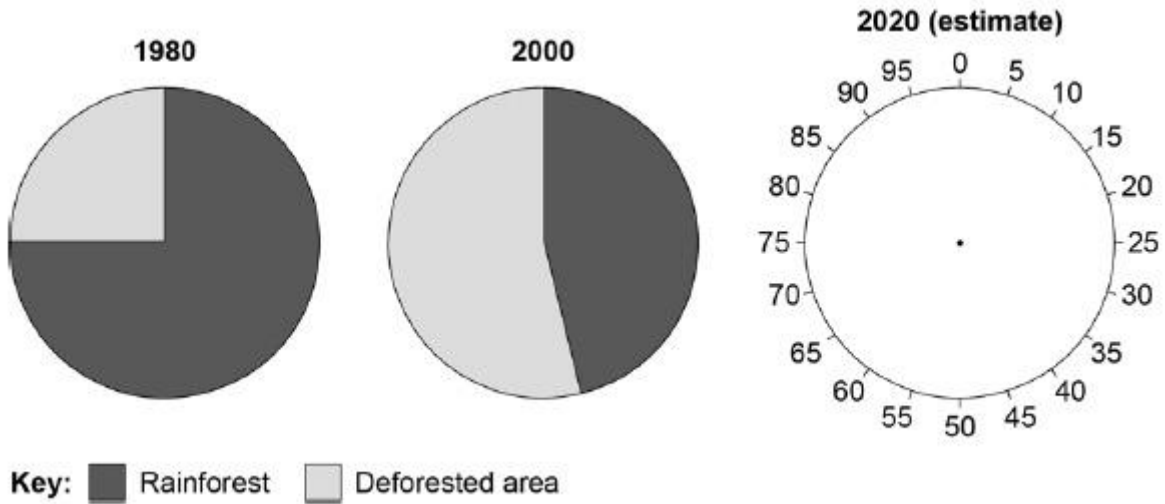
7%

15%

(1)

(Total 2 marks)

- 2 Study the pie charts showing deforestation in Borneo, a country in south east Asia between 1980 and 2020 (estimate).

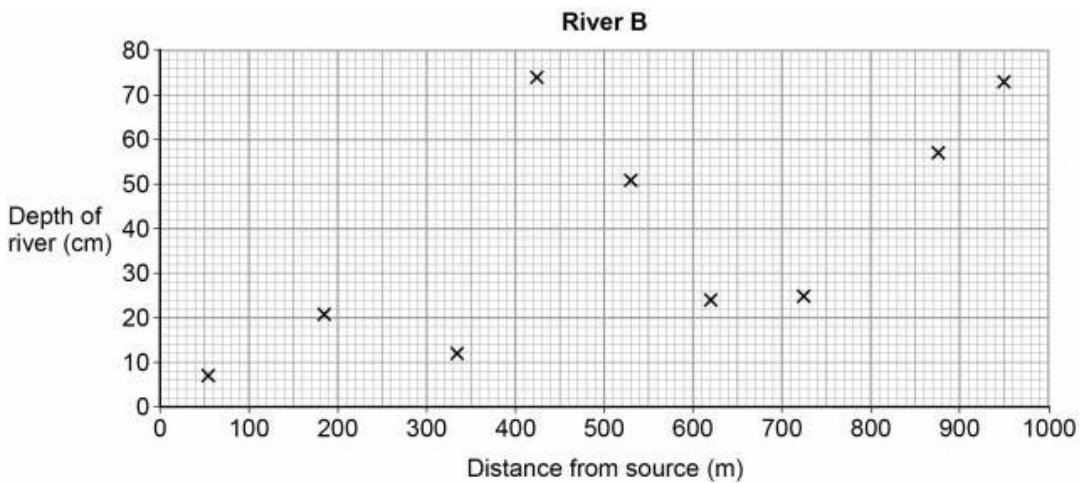
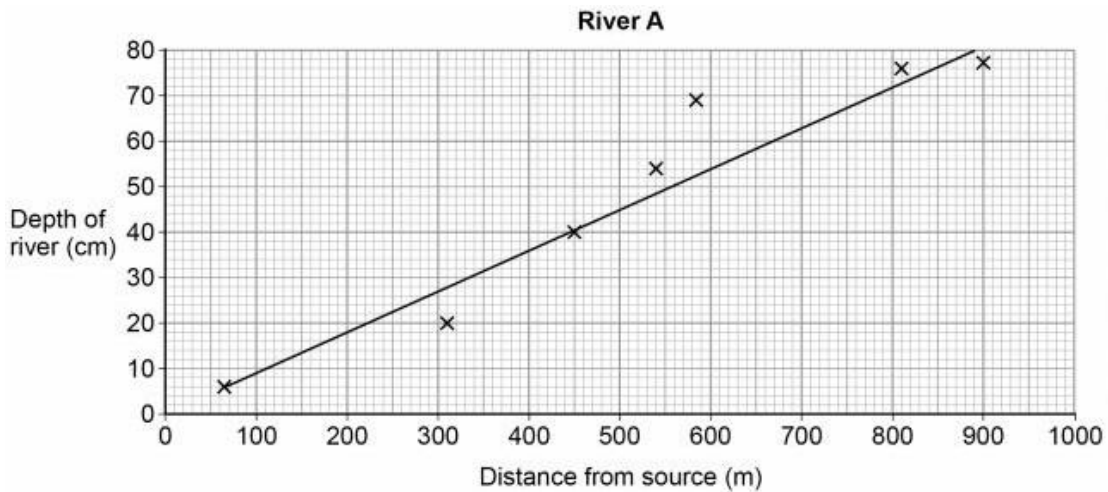


Complete the pie chart for 2020 (estimate).

Use the following information: **Rainforest = 35%** **Deforested area = 65%**

(Total 1 mark)

- 3 Students studied two different rivers over a distance of 1000 metres. For each river they measured the depth at a number of sites. The results are shown in the graphs below.



- (a) Complete the scattergraph for **River B** by plotting the following data.

Distance from source – 450 m

Depth of river – 22 cm

(1)

(b) Draw a line of best fit on the scattergraph for **River B**.

(1)

(c) Compare the relationship between distance from source and depth of river for the two rivers.



(4)

(Total 6 marks)

4 As part of a geographical enquiry, students carried out an environmental quality survey in one part of a town centre. The results are shown in the table below.

	-2	-1	0	+1	+2	
Lots of traffic pollution				✓		No traffic pollution
Lots of litter	✓					No litter
Unattractive buildings					✓	Attractive buildings
Lots of vandalism		✓				No vandalism
No landscaping					✓	Good landscaping

What is the total environmental quality score for the area shown in the table above?

(Total 1 mark)

5 Students measured the flow of water in two different rivers over 7 days. The table shows the results, in rank order, for the two rivers.

	River A (Flow in cubic metres / second)	River B (Flow in cubic metres / second)
	6.2	11.8
Upper quartile →	6.0	10.4
	5.6	8.7
	5.2	5.1
	5.0	2.1
Lower quartile →	4.5	1.4
	3.7	1.2
Median	5.2	5.1
Interquartile range	1.5	

Complete the table by calculating the interquartile range for River B.

(Total 1 mark)

6 Study the information about urban change.

Living in an urban world

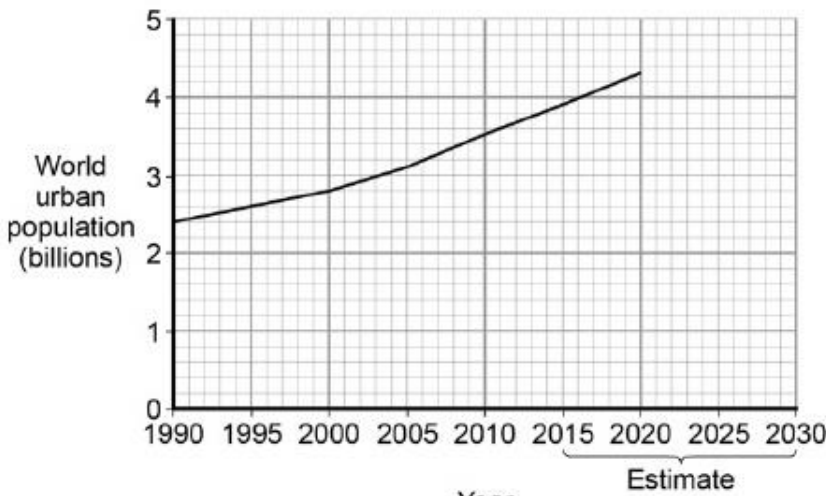
In 1930, only one person in four lived in a town or city. By 2006, as many people lived in urban areas as in rural areas. By 2030, it is estimated that three out of every four people will live in an urban area.

In 1950, New York was the only city with more than 10 million people. Today there are at least 25 cities with 10 million people or more, mostly in LICs and NEEs where the urban population is growing rapidly. In these continents the urban population is expected to double by 2030.

Top five megacities, 2010
(at least 10 million people)

1	Tokyo	35 million
2	Mexico City	19 million
3	Mumbai	19 million
4	New York	18 million
5	São Paulo	18 million

(Figures are approximate)



Year	Population (billions)
1990	2.5
1995	2.7
2000	2.9
2005	3.2
2010	3.5
2015	3.8
2020	4.1
2025	4.3
2030	4.5

(a) Complete the graph. Use the information below.

Estimated world urban population:

2025 = 4.8 billion

2030 = 5.0 billion

(2)

(b) How many people lived in urban areas in 2000?

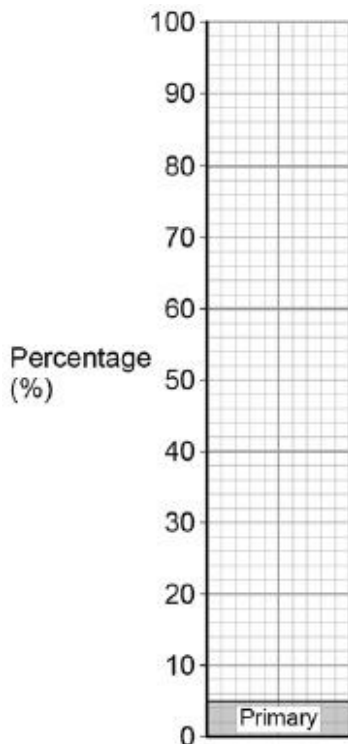
(1)

(Total 3 marks)

7 Study the data collected by means of a questionnaire about the employment structure of a town.

Primary (%)	5
Secondary (%)	25
Tertiary (%)	70

(a) Complete the divided bar graph below by plotting the data shown.



(1)

(b) Suggest **one** other method that could be used to present the employment structure data.

(1)

(Total 2 marks)

8 Study the data collected for a river enquiry.

River enquiry, April 2015 Stream flow

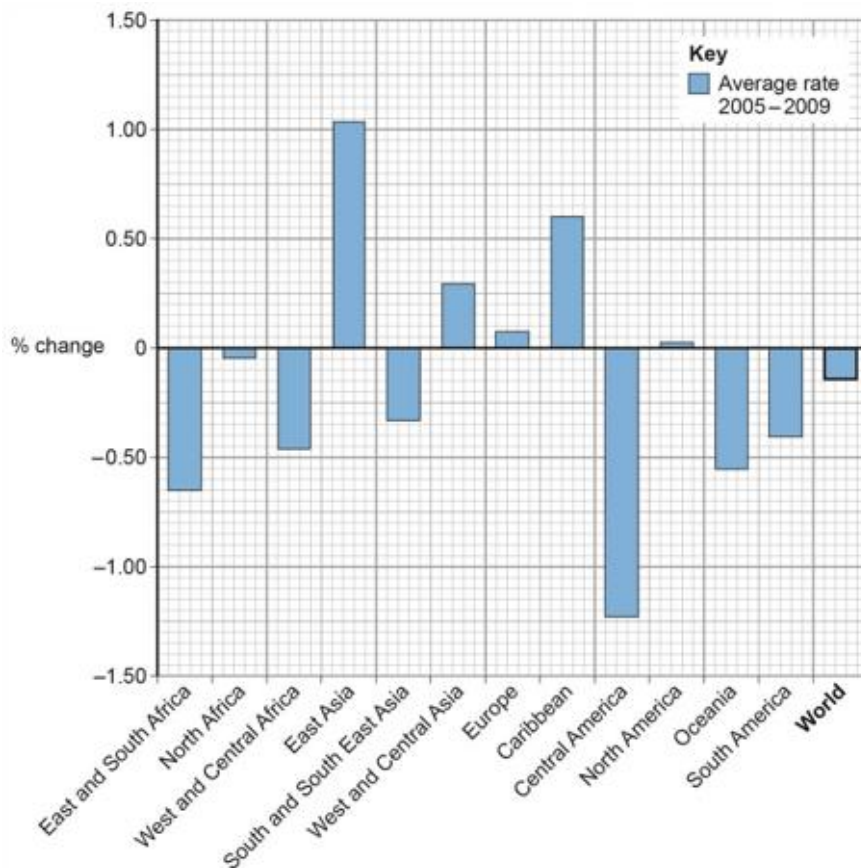
Date of the month	Flow (cumecs, approx.)	Date of the month	Flow (cumecs, approx.)
4	4	11	5
5	4	12	4
6	5	13	4
7	3	14	3
8	7	15	5
9	9	16	6
10	6	Cumecs = cubic metres per second	

Complete the following table by using the stream flow data.

Stream flow	Mean	5.0
	Median	
	Mode	

(Total 2 marks)

9 Study the graph, which shows how the forested regions of the world changed between 2005 and 2009.



(a) Which region of the world had the greatest rate of deforestation between 2005 and 2009?

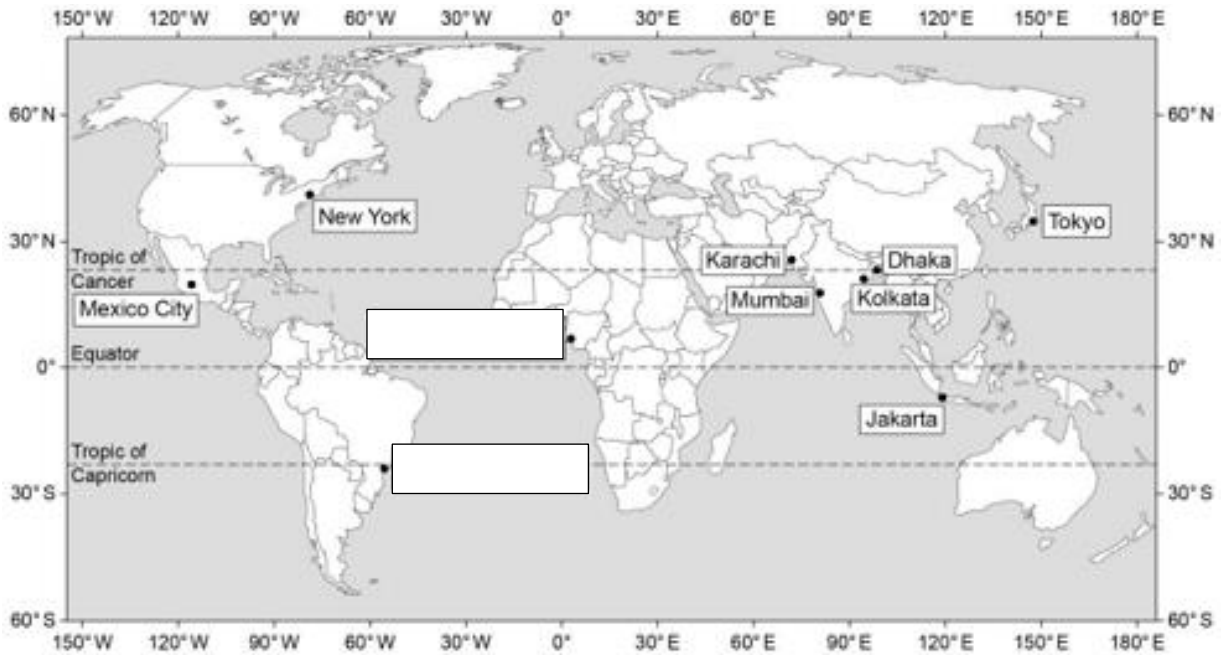
(1)

(b) State the number of regions of the world where the rate of deforestation was greater than the world average rate of deforestation between 2005 and 2009.

(1)

(Total 2 marks)

10 Study the map below showing the location of ten of the world's top ten megacities (2014).



(a) On the map, add the names of the **two** megacities to the correct boxes.

Use the information in the table below.

Megacity	Latitude	Longitude
Lagos	6 °N	3 °E
Sao Paulo	24 °S	46 °W

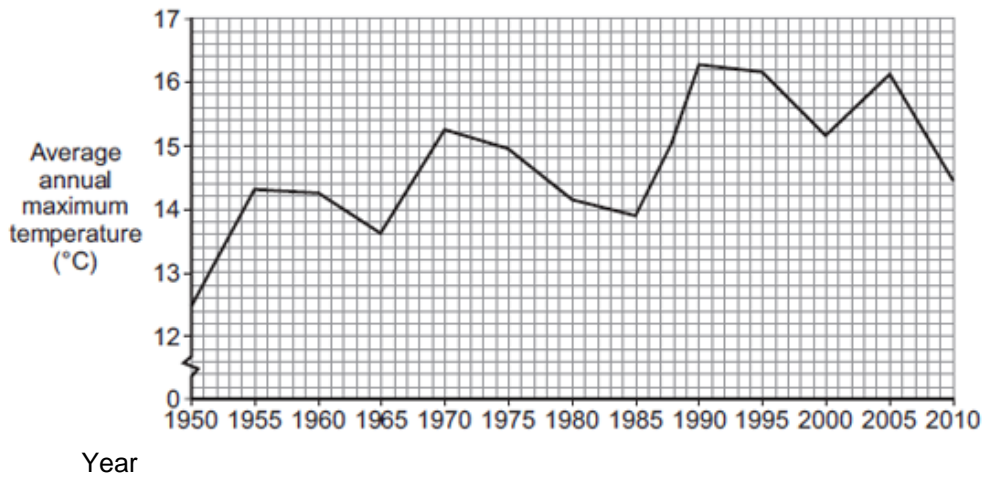
(1)

(b) Which **one** of the following is the correct latitude and longitude for Jakarta?
Put an X in **one** box only.

- A 21 °N 52 °E
- B 30 °S 157 °E
- C 6 °S 106 °E
- D 33 °N 75 °E

(1)
(Total 2 marks)

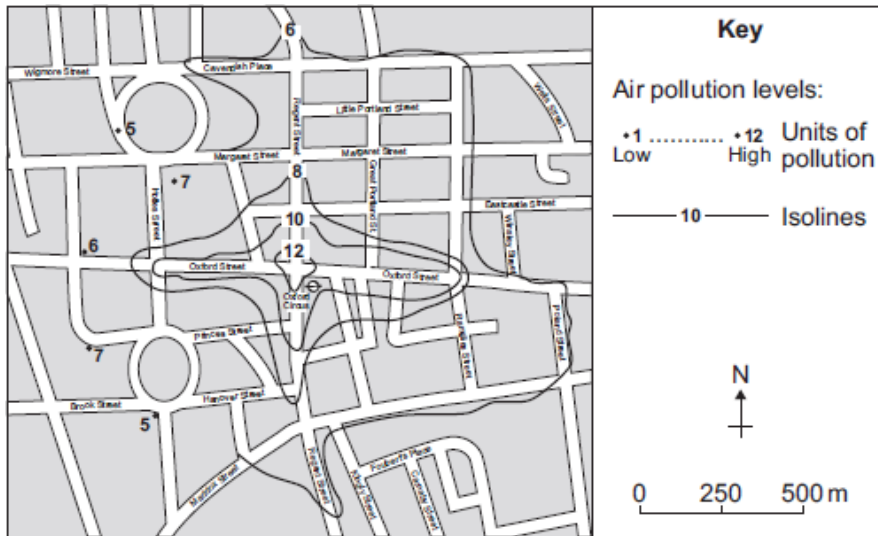
11 Study the figure below, a graph showing average annual maximum temperatures at Heathrow Airport, London from 1950 to 2010.



Describe the trends shown in the graph above.

(Total 4 marks)

12 Study the figure below, an isoline map of air pollution levels. The map was produced for a GCSE Controlled Assessment investigation on traffic pollution levels in Central London.



(a) Complete the isoline for air pollution level 6 on the figure above.

(2)

(b) Give **two** features of the distribution of air pollution shown on the completed map.

1.

2.

(2)

(Total 4 marks]

Feedback Form Instructions

When you have answered as many questions as you can, complete the form on the last page to help you reflect on your work.

How to fill in the form

- Put your confidence score in Column C. This is not about the number of marks you achieved but how sure you felt while you were answering the question.

Confidence	Definition
0	I didn't answer this one
1	I guessed the answer
2	I needed help with the answer
3	I understood the question but wasn't sure about my answer
4	I was fairly confident I would get most of the marks
5	I was sure my answer was correct and I would get full marks

- Use the mark scheme to check your answers.

Put the mark you think you achieved in Column Mark.

- Write an overall comment about how you felt each question went.
 - If you got help, make a note in the comment box specifying the source: internet, friend, book, parent or tutor.
- Complete 'I can...' and 'I need to...' sentences.
 - 'I can...' sentences might include the questions you found easiest to answer, got the most marks for or felt the most confident about.
 - 'I need to...' sentences might include areas you need to revise, questions you want to ask your teacher or the next topic or skill you want to work on.
- Return the form to your teacher.

Skills

Feedback form

Name

Qu	Total marks	Self-assessment		
		C	Mark	Comment
1	2			
2	1			
3	6			
4	1			
5	1			
6	3			
7	2			
8	2			
9	2			
10	2			
11	4			
12	4			

Overall

I can

I need to

Qu	Total marks	Teacher review	
		Mark	Comment
1	2		
2	1		
3	6		
4	1		
5	1		
6	3		
7	2		
8	2		
9	2		
10	2		
11	4		
12	4		
<p>Overall You can</p> <p>You need to</p>			