



CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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0457/12

May/June 2022

1 hour 15 minutes

You will need: Insert (enclosed)

- Answer **all** questions.
- Use a black or dark blue pen.
- 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.

- The total mark for this paper is 70.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains all the sources referred to in the questions.

This document has **12** pages. Any blank pages are indicated.

Read the information in the insert and answer **all** questions.

1 Study Sources 1 and 2.

- (a)** From Source 1, identify the estimated number of motor vehicles in the world in 2020.

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..... [1]

- (b)** From Source 2, identify **two** consequences of large numbers of motor vehicles in cities.

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..... [2]

- (c)** Which consequence of large numbers of motor vehicles in cities do you think is the most significant? Explain why.

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..... [3]

(d) Explain why large numbers of motor vehicles in cities is an important global issue.

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..... [6]

2 Study Source 3.

(a) 'We can improve transport in our cities.'

What are the strengths and weaknesses of the argument supporting this claim?

[6]

- (b)** 'Many people would like to travel by electric bus and tram.'

How could you test this claim?

You should consider the types of information, sources of evidence and methods you might use.

[8]

3 Study Source 4.

(a) Identify **one** value judgement from Mio's statement. Explain why it is a value judgement.

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..... [2]

(b) Ren argues that government action is the best way to solve transport problems in cities.

(i) Identify **one** opinion from Ren's statement.

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..... [1]

(ii) Explain how well this opinion supports Ren's argument.

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..... [2]

(c) Which argument is more convincing, Mio's or Ren's?

Your answer should consider both arguments and you should support your point of view with their words.

You should also consider:

- the strength of their reasoning and evidence
- their use of language
- the different kinds of information used.

..... [15]

4 A government wants to improve transport in cities.

The following actions are being considered:

- Research successful transport improvement projects used in other countries.
- Provide money to cities to promote cycling and walking.
- Charge more money to drive and park in cities.

Which **one** of these actions would you recommend to the government, and why?

In your answer, you should:

- state your recommendation
- give reasons and evidence to support your choice
- use the material in the sources and/or any of your own ideas
- consider different arguments and perspectives.

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