



CANDIDATE
NAME

CENTRE
NUMBER

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CANDIDATE
NUMBER

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0457/11

May/June 2022

1 hour 15 minutes

You must answer on the question paper.

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 to 3.

(a) From Source 1, identify the trend in worldwide internet use.

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..... [1]

(b) From Source 2, identify **two** benefits of digital technology.

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..... [2]

(c) Which benefit of digital technology do you think is the most significant? Explain why.

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..... [3]

(d) Explain how the use of digital technology has important personal consequences.

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..... [6]

2 Study Source 3.

- (a)** 'Data from digital technologies improves our lives.'

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

[6]

- (b)** 'Digital communication strengthens our relationships.'

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** fact from Kari's statement. Explain why it is a fact.

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..... [2]

(b) Explain why Lars' statement might be biased.

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..... [3]

(c) Which argument is more convincing, Kari's or Lars'?

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 'Personal data from digital technology should remain private and never be used by other people and organisations.'

Do you agree with this statement?

In your answer, you should:

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

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

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