



Oxford Cambridge and RSA

Tuesday 21 June 2016 – Afternoon

A2 GCE HOME ECONOMICS

Food, Nutrition and Health

G004/01 Nutrition and Food Production



Candidates answer on the Question Paper.

OCR supplied materials:

None

Other materials required:

None

Duration: 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number			
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INSTRUCTIONS TO CANDIDATES

- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- There are two sections in this paper.

Section A 25 marks

Answer all parts of question 1.

Section B 50 marks

Answer **two** questions only.

- Do **not** write in the bar codes.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is **75**.
- Quality of Written Communication will be assessed in Section B.
- This document consists of **16** pages. Any blank pages are indicated.

SECTION A

Answer **all parts** of question 1.

1 (a) (i) State **one** good vegetable source of vitamin C.

..... [1]

(ii) Identify **two** different dietary functions of vitamin C.

1

2

[2]

(iii) Explain **two** ways vitamin C can be retained during the cooking of vegetables.

1

.....

.....

2

.....

.....

[4]

(iv) Explain the process of enzymic browning in fruit and vegetables.

.....

.....

.....

[2]

(b) (i) State **one** good source of vitamin K.

..... [1]

(ii) Identify **one** dietary function of vitamin K.

.....

.....

[1]

(c) (i) Explain **one** disadvantage to the consumer of sugar substitutes.

.....

.....

.....

[2]

(ii) Explain the difference between intrinsic and extrinsic sugars.

.....
.....
.....

[2]

(d) (i) Describe **two** advantages to a consumer of the use of plastic as a packaging material.

1

.....
.....
.....
.....

2

.....
.....
.....
.....

[4]

(ii) Describe **one** disadvantage to a food retailer of using plastic as a packaging material.

.....
.....
.....

[2]

(e) (i) Many types of sensory tests are used in food production.

Describe **one** difference test used in food production.

.....
.....
.....

[2]

(ii) Describe **one** grading test used in food production.

.....
.....
.....

[2]

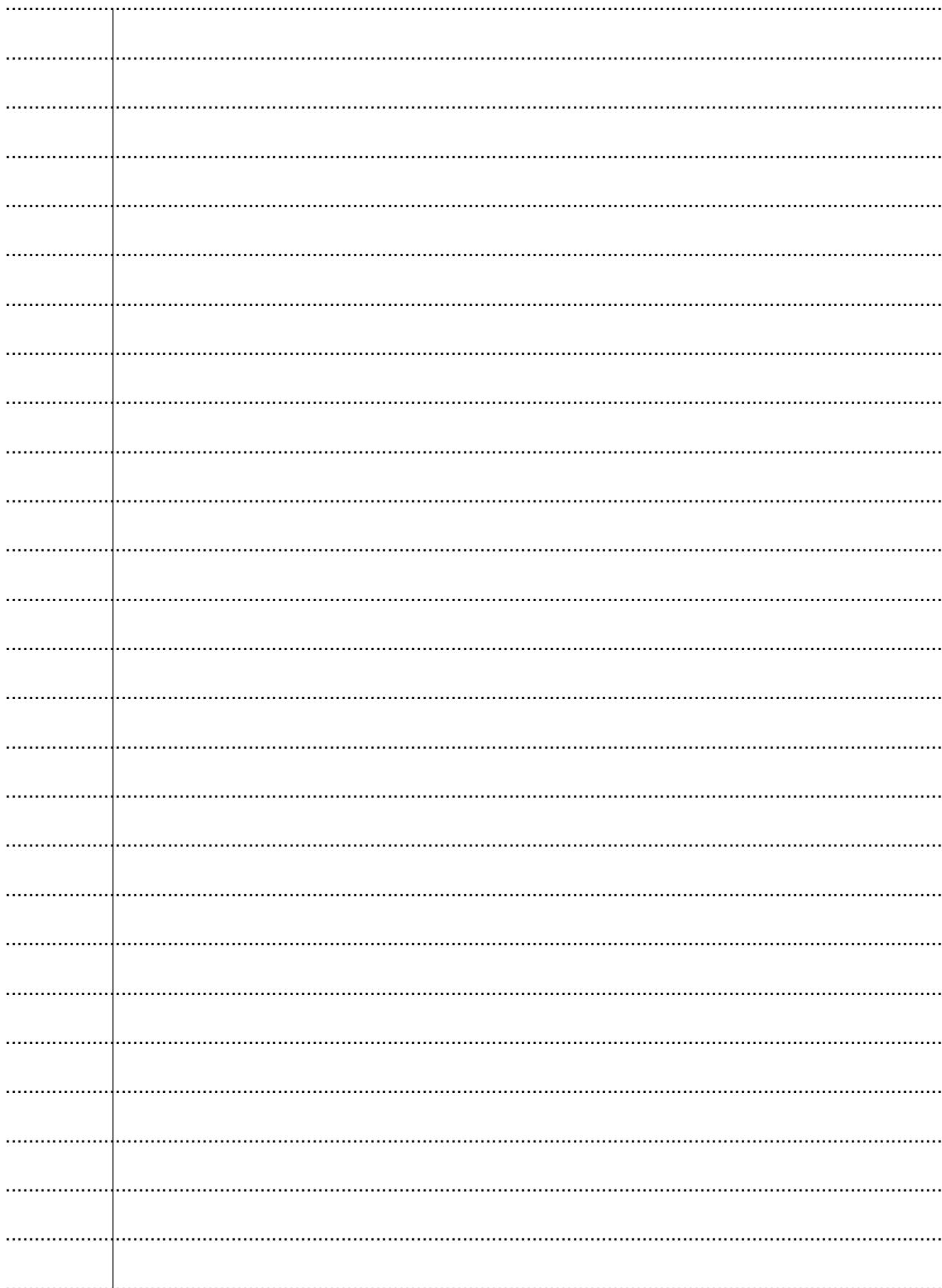
SECTION B

Answer **two** questions **only**.

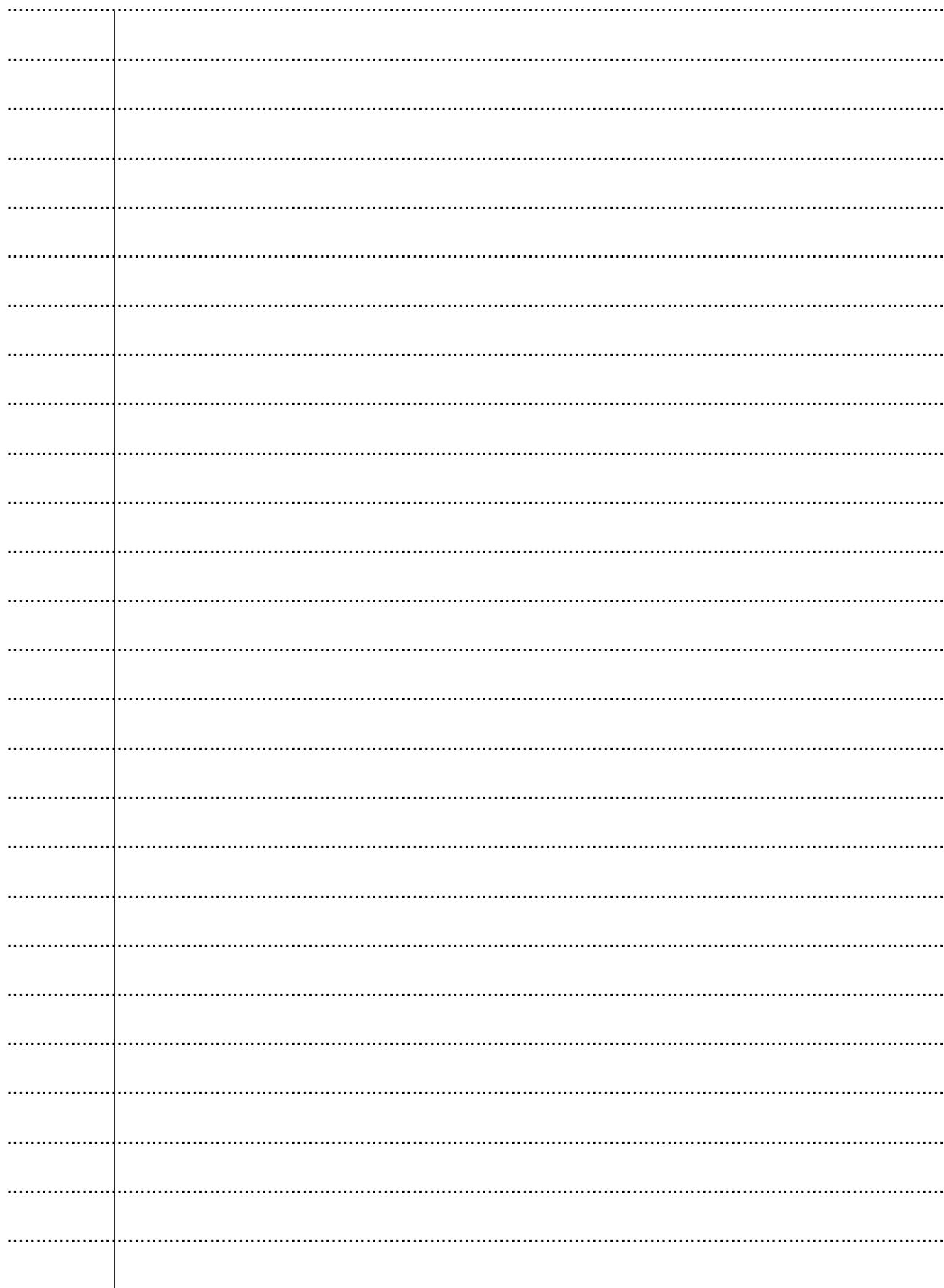
The quality of written communication will be assessed in your answers to the questions in Section B.

- 2** Discuss how the nutritional value, choice and use of proteins and alternative protein sources can contribute to maintaining good health. **[25]**
- 3** Discuss the processes involved in the marketing and launch of a new food product. **[25]**
- 4** Discuss the nutritional and dietary needs during adolescence and compare how they differ between adolescent males and adolescent females. **[25]**

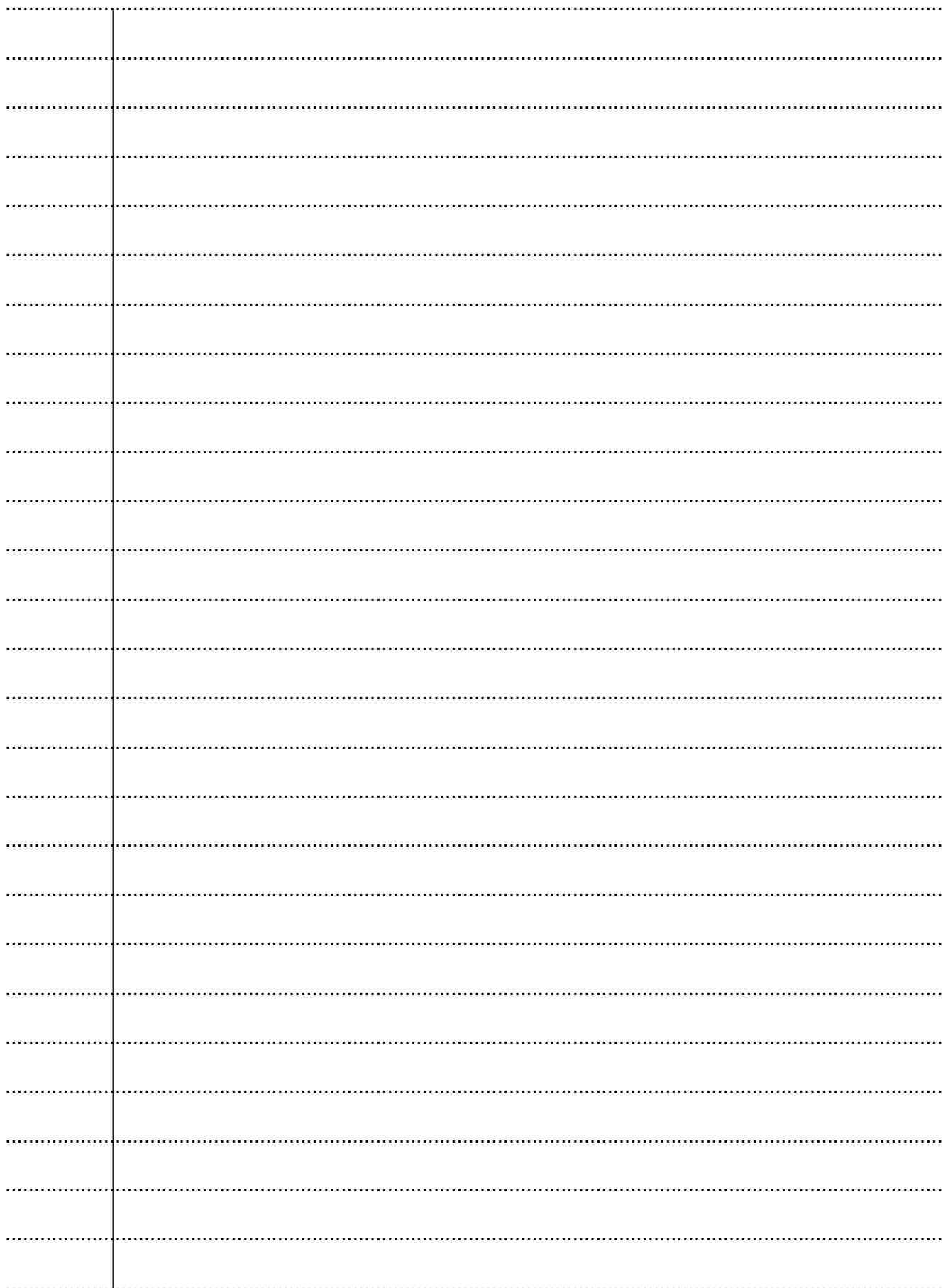
Write the number of each question answered.



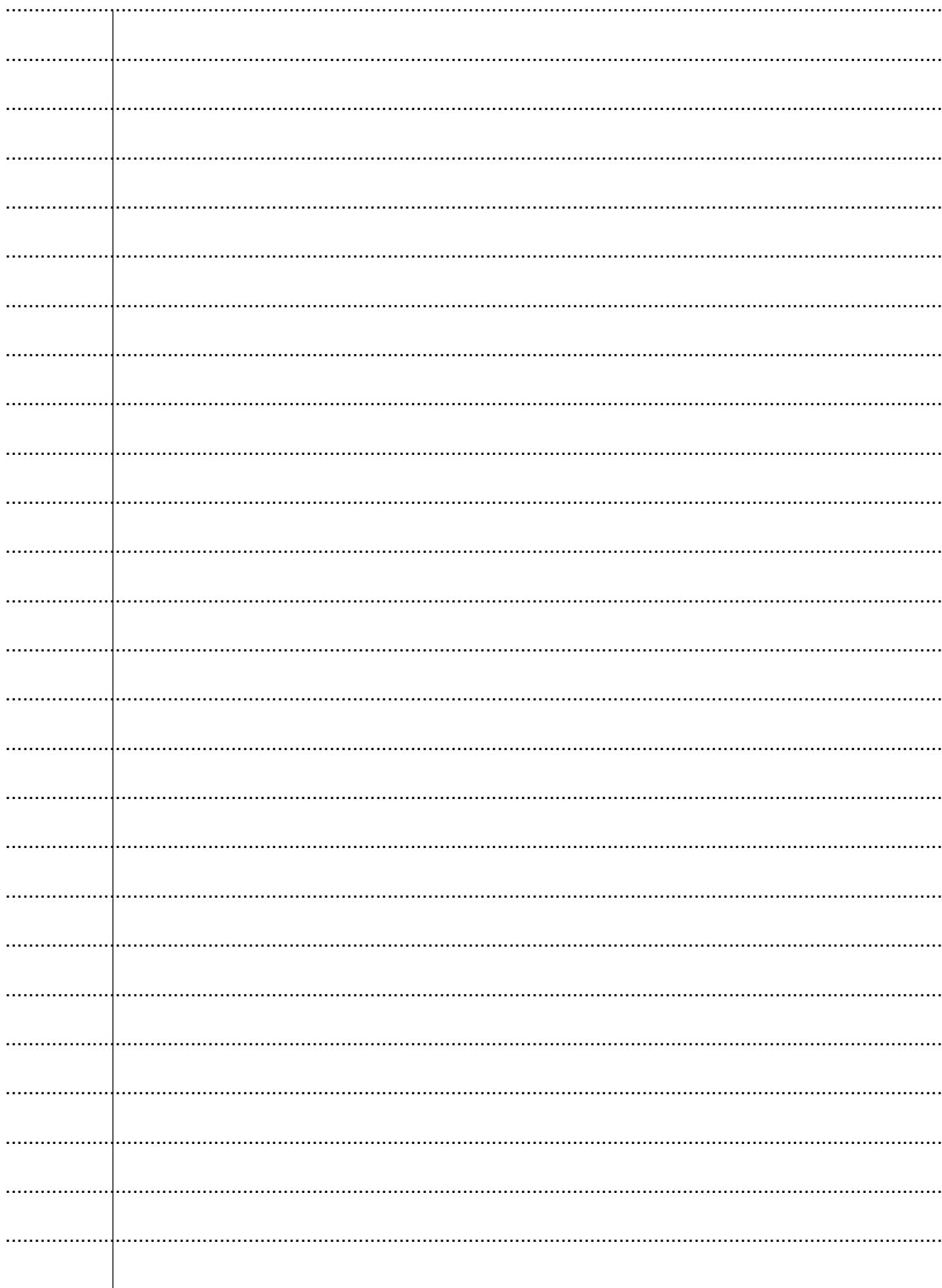
This image shows a blank sheet of handwriting practice paper. It features a vertical red line on the left side, likely representing a margin. To the right of this margin, there are 22 horizontal grey lines spaced evenly down the page, intended for practicing letter formation and alignment.



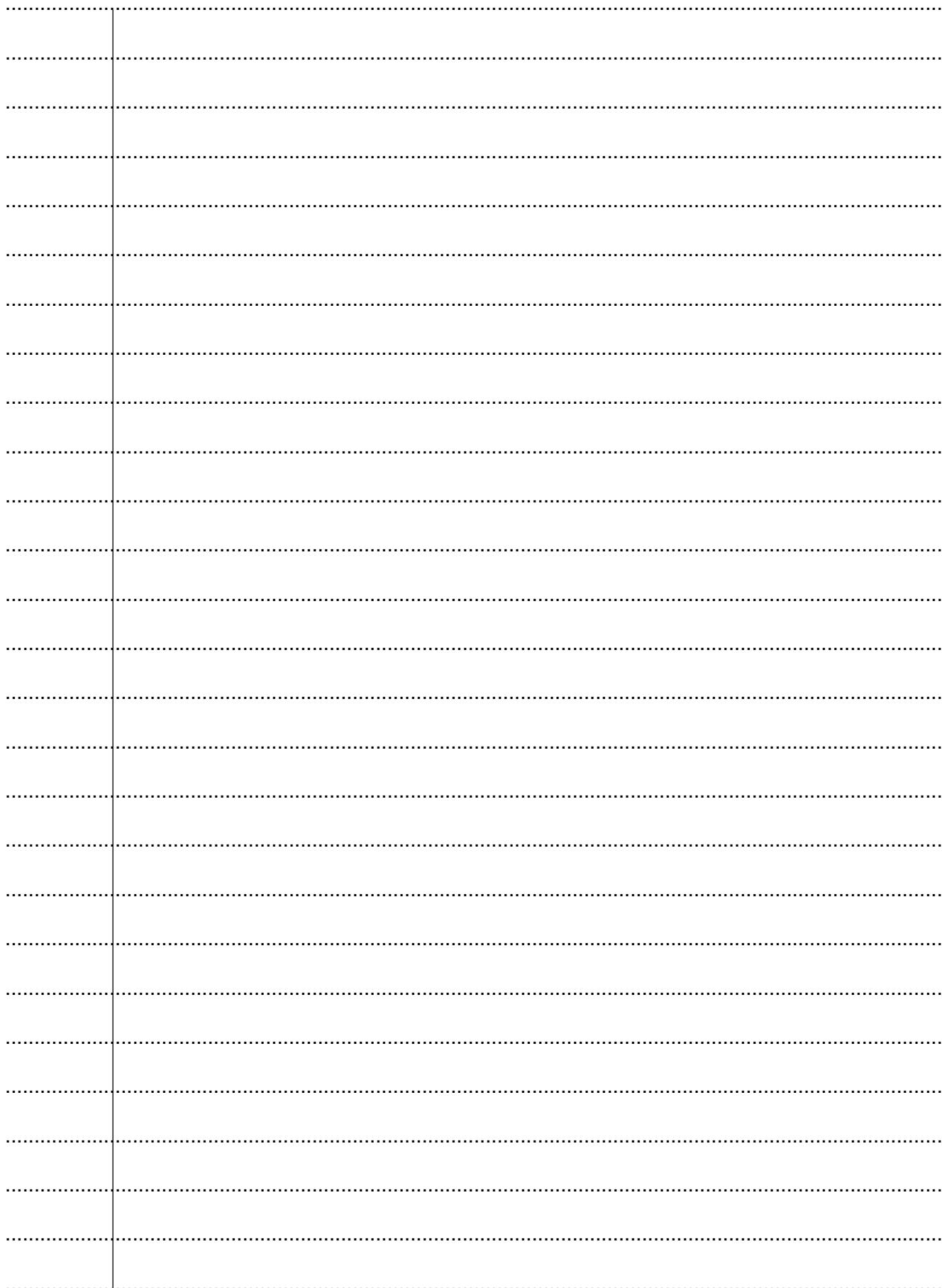
A large grid of 20 horizontal dotted lines for handwriting practice, with a vertical line on the left side.



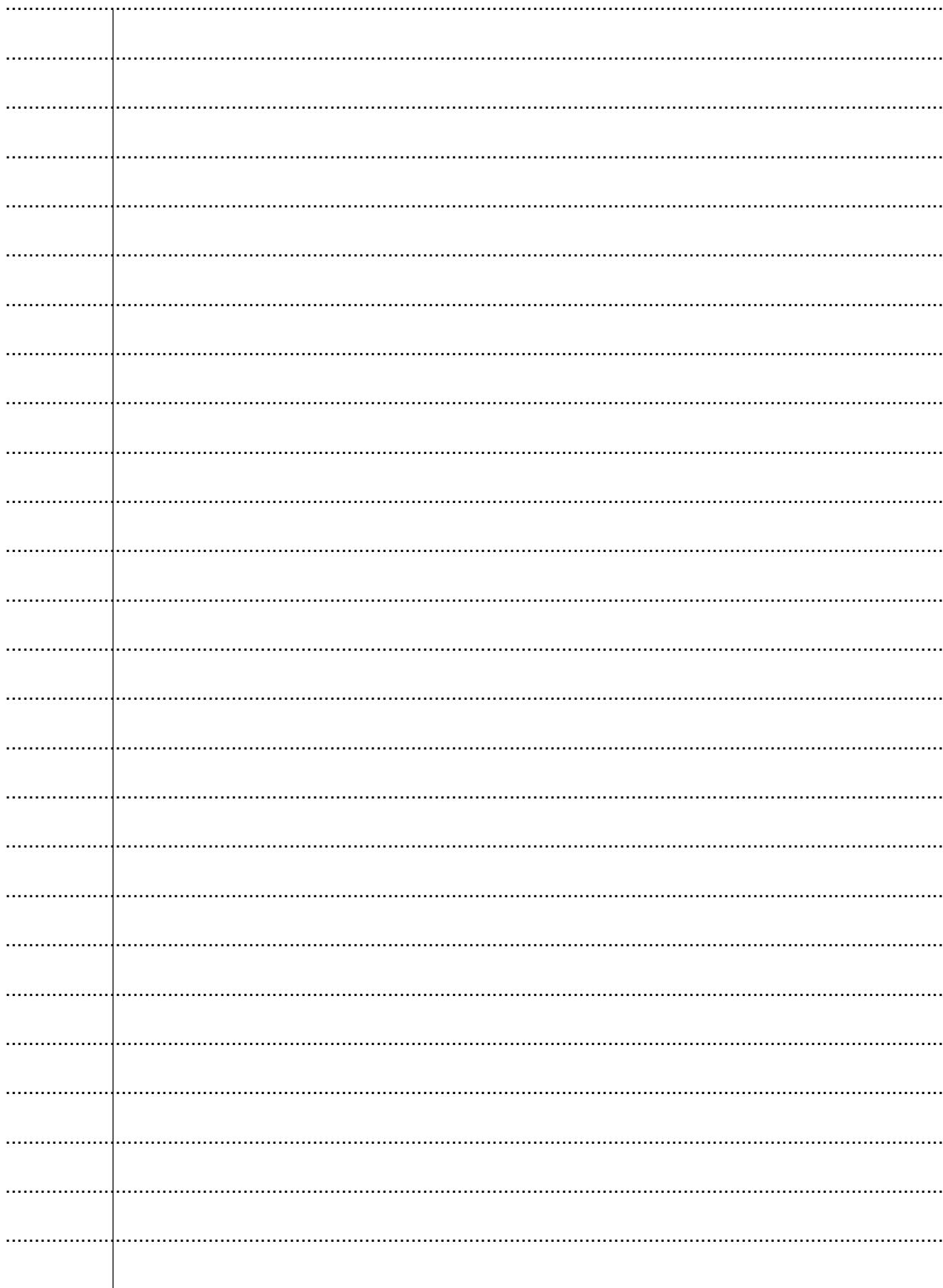
This image shows a blank sheet of handwriting practice paper. It features a vertical red line on the left side, likely representing a margin. To the right of this margin, there are 22 horizontal grey lines spaced evenly down the page, intended for handwriting practice. The lines are solid and extend across the width of the page.



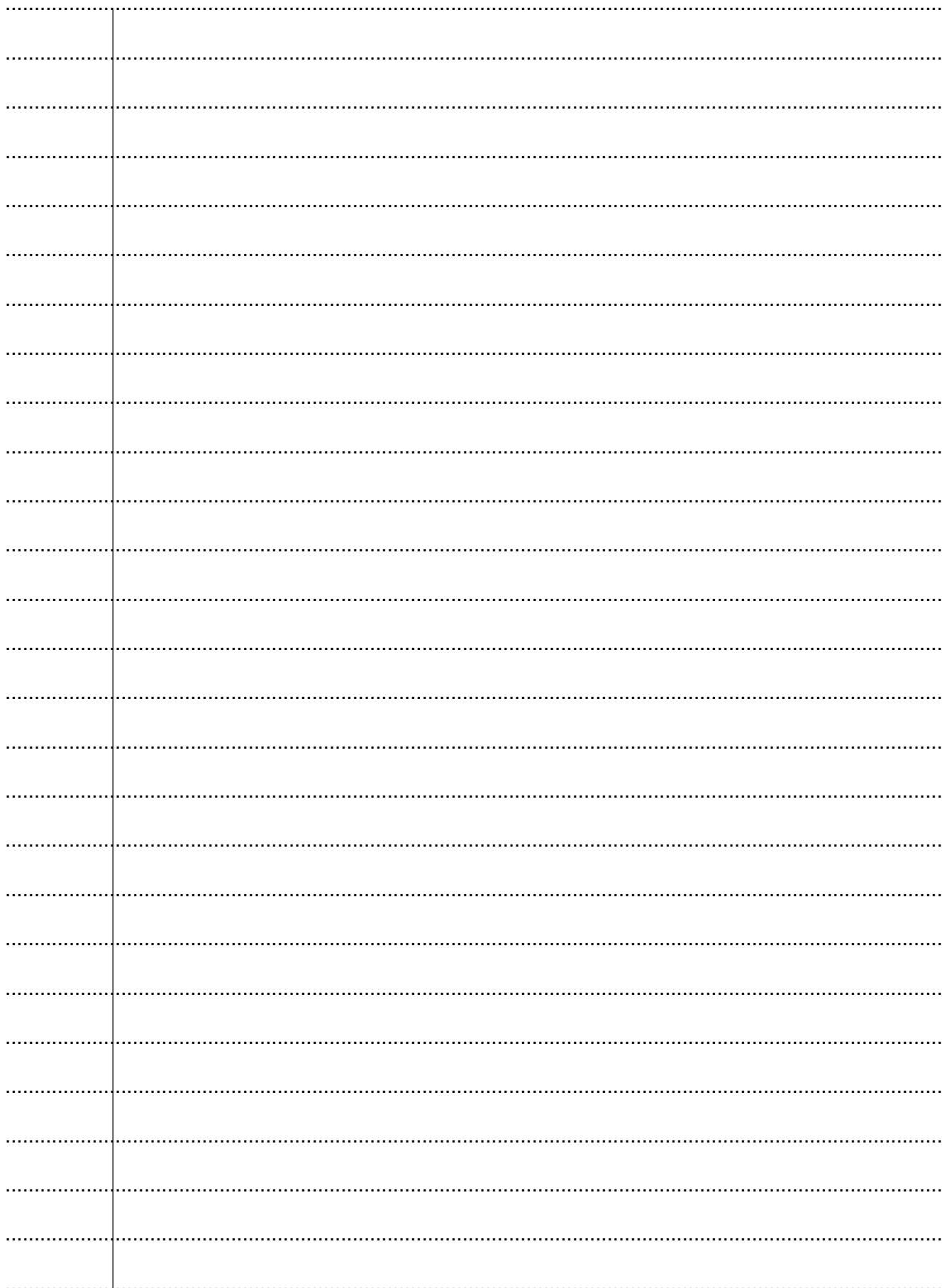
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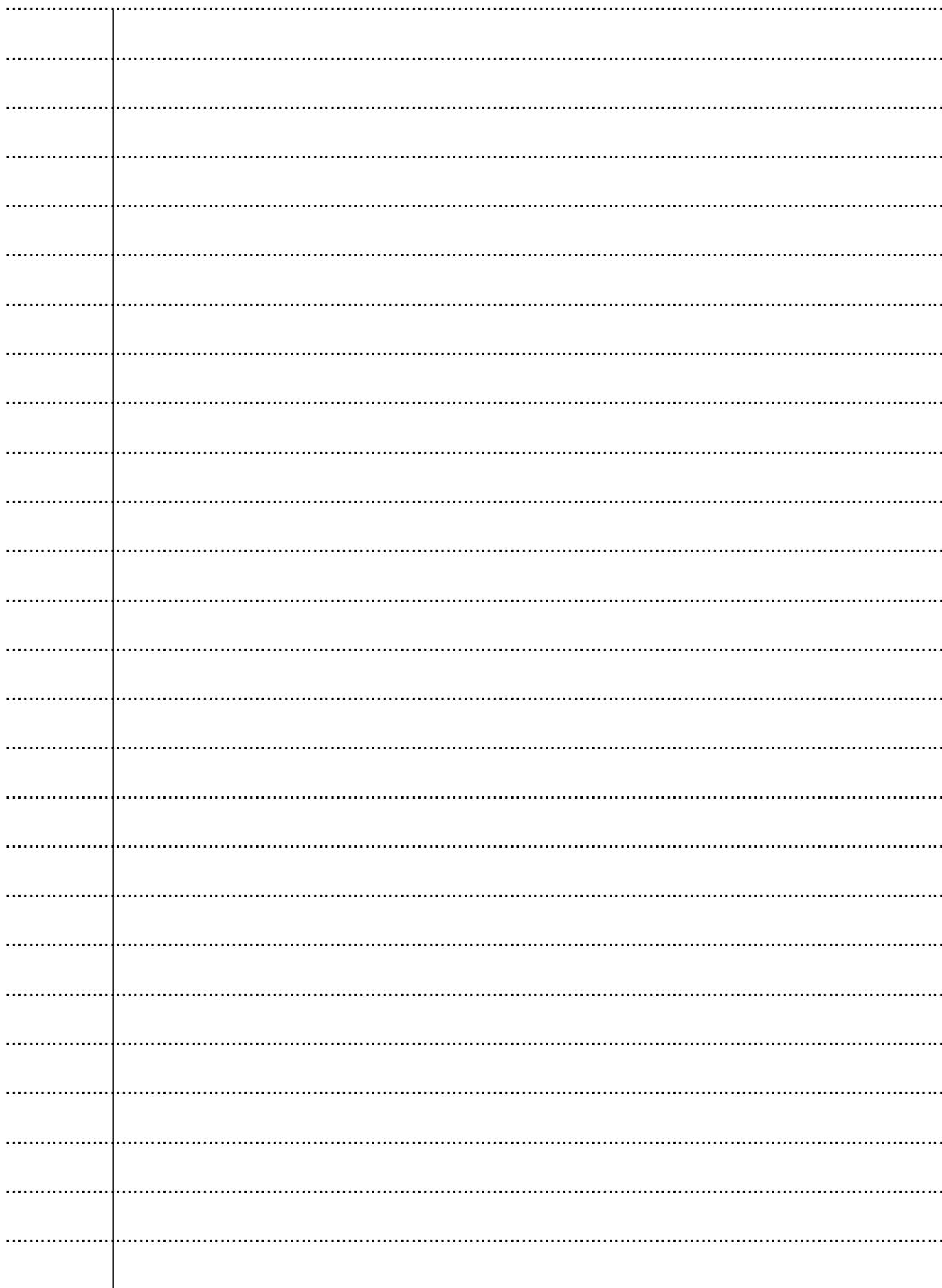
The image shows a set of horizontal dotted lines for handwriting practice. A vertical solid line is positioned on the left side, creating a margin. The rest of the page is filled with 22 horizontal dotted lines, spaced evenly down the page. This layout is commonly used for handwriting exercises in primary school workbooks.



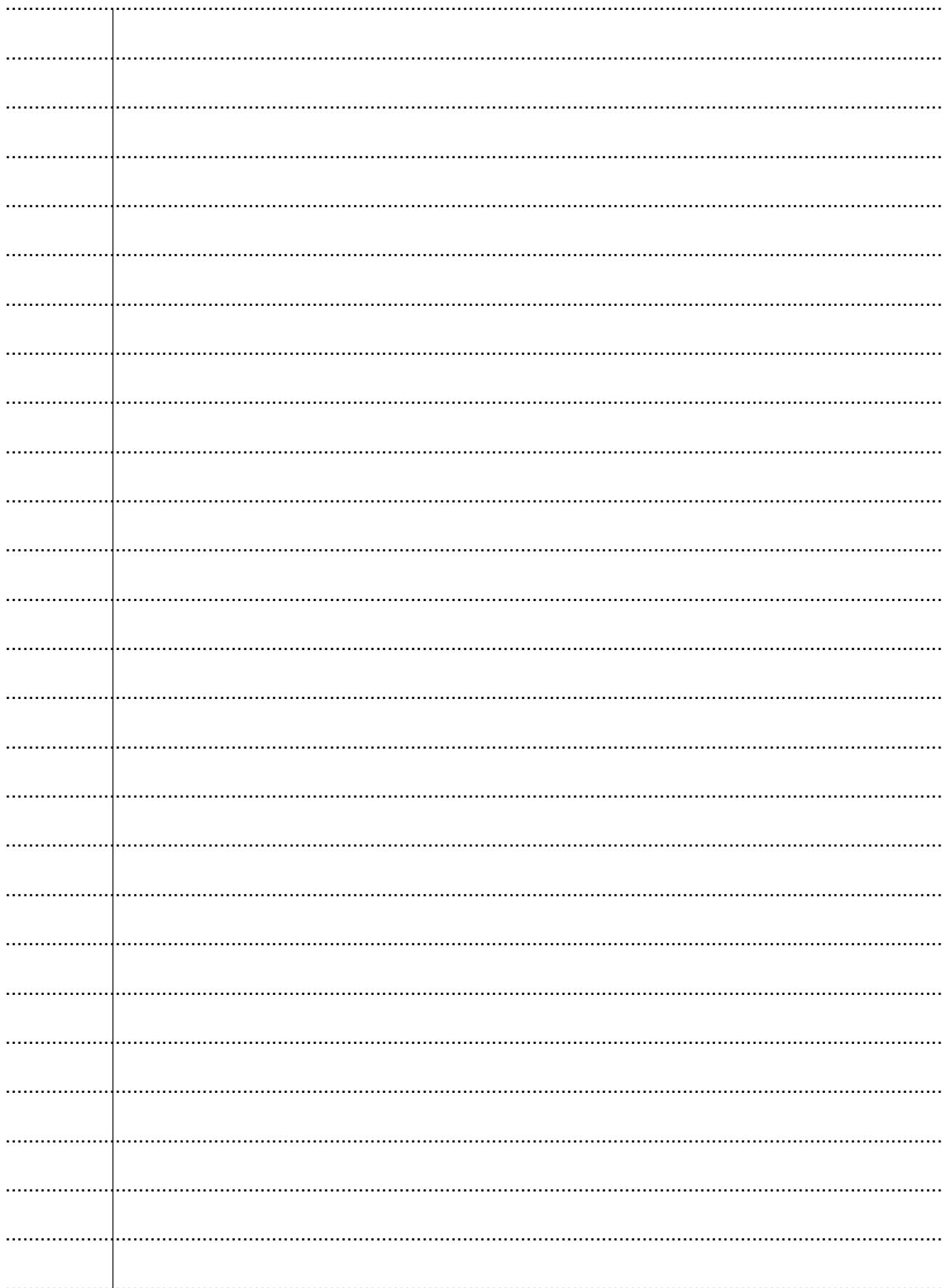
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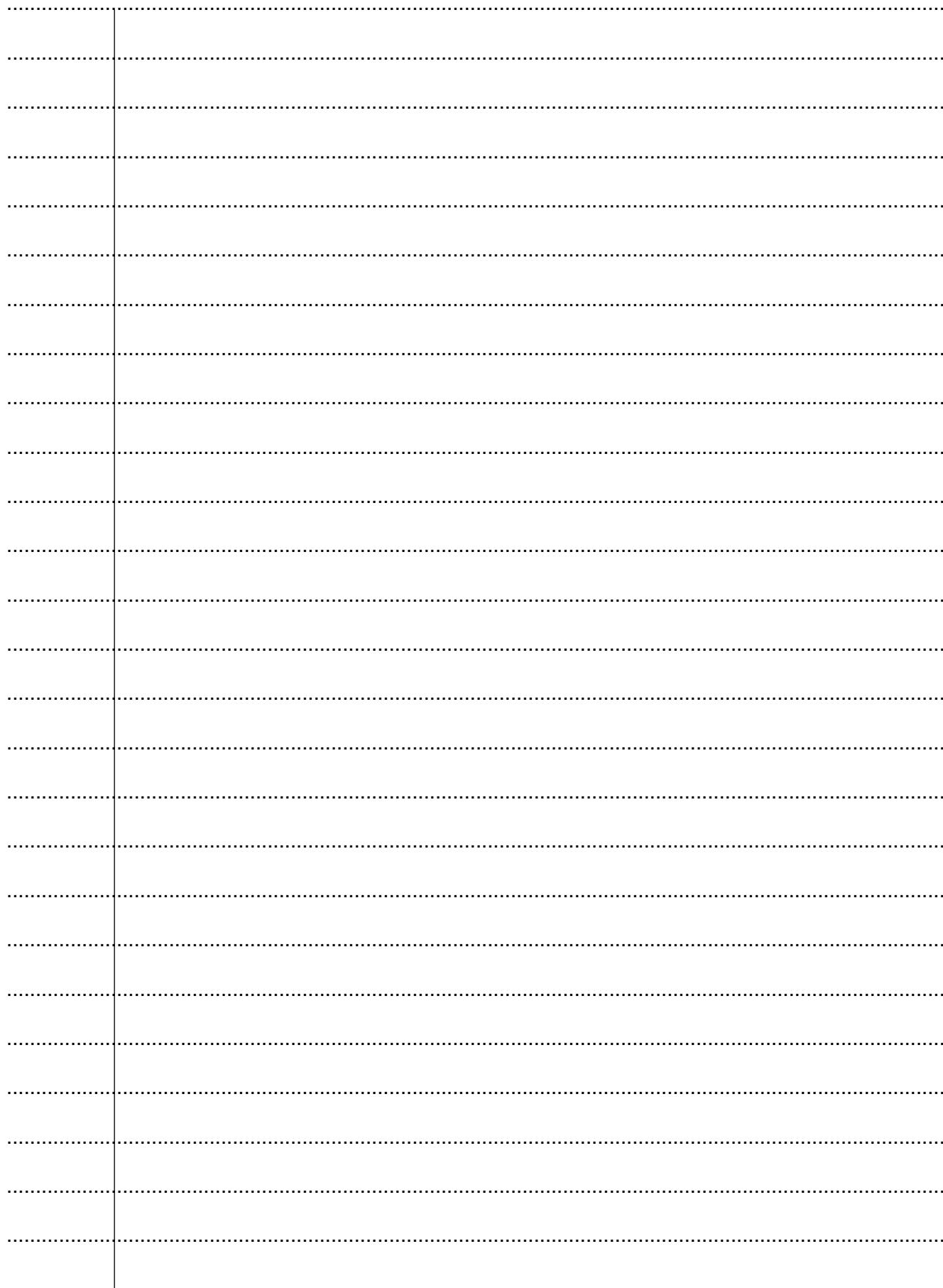
This image shows a blank sheet of handwriting practice paper. It features a vertical red line on the left side, likely representing a margin or binding. To the right of this red line are 22 horizontal grey lines, each consisting of a solid top line and a dashed midline, with a solid bottom line below it. These lines provide a guide for letter height and placement. The paper is otherwise empty of text or markings.



A large grid of 20 horizontal dotted lines for handwriting practice, with a vertical line on the left side.



This image shows a blank sheet of handwriting practice paper. It features a vertical red line on the left side, likely representing a margin. To the right of this margin, there are 22 horizontal grey lines spaced evenly down the page, intended for practicing letter formation and alignment.



A large grid of 20 horizontal dotted lines for handwriting practice, with a vertical line on the left side.

END OF QUESTION PAPER



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