



FOR OFFICIAL USE

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National
Qualifications
2021 ASSESSMENT RESOURCE

Mark

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X847/76/01**Mathematics Paper 1 (Non-calculator)
Answer booklet**

Duration — 1 hour 15 minutes



Fill in these boxes and read what is printed below.

Full name of centre

| |
|--|
| |
|--|

Town

| |
|--|
| |
|--|

Forename(s)

| |
|--|
| |
|--|

Surname

| |
|--|
| |
|--|

Number of seat

| |
|--|
| |
|--|

Date of birth

Day

| | |
|--|--|
| | |
|--|--|

Month

| | |
|--|--|
| | |
|--|--|

Year

| | |
|--|--|
| | |
|--|--|

Scottish candidate number

| | | | | | | | | |
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You must NOT use a calculator.

Write your answers clearly in the spaces provided in the answer booklet. The size of the space provided for an answer is not an indication of how much to write. You do not need to use all the space.

Additional space for answers is provided at the end of the answer booklet. If you use this space you must clearly identify the question number you are attempting.

Use **blue** or **black** ink.

Before leaving the examination room you must give your answer booklet to the Invigilator; if you do not, you may lose all the marks for this paper.



QUESTION
NUMBER

SECTION 1

DO NOT
WRITE IN
THIS
MARGIN

1.

2.



* X 8 4 7 7 6 0 1 0 2 *

QUESTION
NUMBER

3.

DO NOT
WRITE IN
THIS
MARGIN

4.



* X 8 4 7 7 6 0 1 0 3 *

QUESTION
NUMBER

5.(a)
(i)

DO NOT
WRITE IN
THIS
MARGIN

5.(a)
(ii)

5.(b)



* X 8 4 7 7 6 0 1 0 4 *

QUESTION
NUMBER

6.(a)

DO NOT
WRITE IN
THIS
MARGIN

6.(b)

6.(c)



* X 8 4 7 7 6 0 1 0 5 *

QUESTION
NUMBER

7.

DO NOT
WRITE IN
THIS
MARGIN

8.



* X 8 4 7 7 6 0 1 0 6 *

QUESTION
NUMBER

9.(a)

DO NOT
WRITE IN
THIS
MARGIN

9.(b)



* X 8 4 7 7 6 0 1 0 7 *

QUESTION
NUMBER

10.

DO NOT
WRITE IN
THIS
MARGIN



* X 8 4 7 7 6 0 1 0 8 *

QUESTION
NUMBER

DO NOT
WRITE IN
THIS
MARGIN

11.(a)

11.(b)
(i)

11.(b)
(ii)

[END OF SECTION 1]



* X 8 4 7 7 6 0 1 0 9 *

QUESTION
NUMBER

SECTION 2 — Part A

DO NOT
WRITE IN
THIS
MARGIN

12.(a)
(i)

12.(a)
(ii)

12.(b)



* X 8 4 7 7 6 0 1 1 0 *

QUESTION
NUMBER

13.(a)

DO NOT
WRITE IN
THIS
MARGIN

13.(b)



* X 8 4 7 7 6 0 1 1 1 *

QUESTION
NUMBER

14.

DO NOT
WRITE IN
THIS
MARGIN

[END OF PART A]



* X 8 4 7 7 6 0 1 1 2 *

QUESTION
NUMBER

15.

SECTION 2 — Part B

DO NOT
WRITE IN
THIS
MARGIN

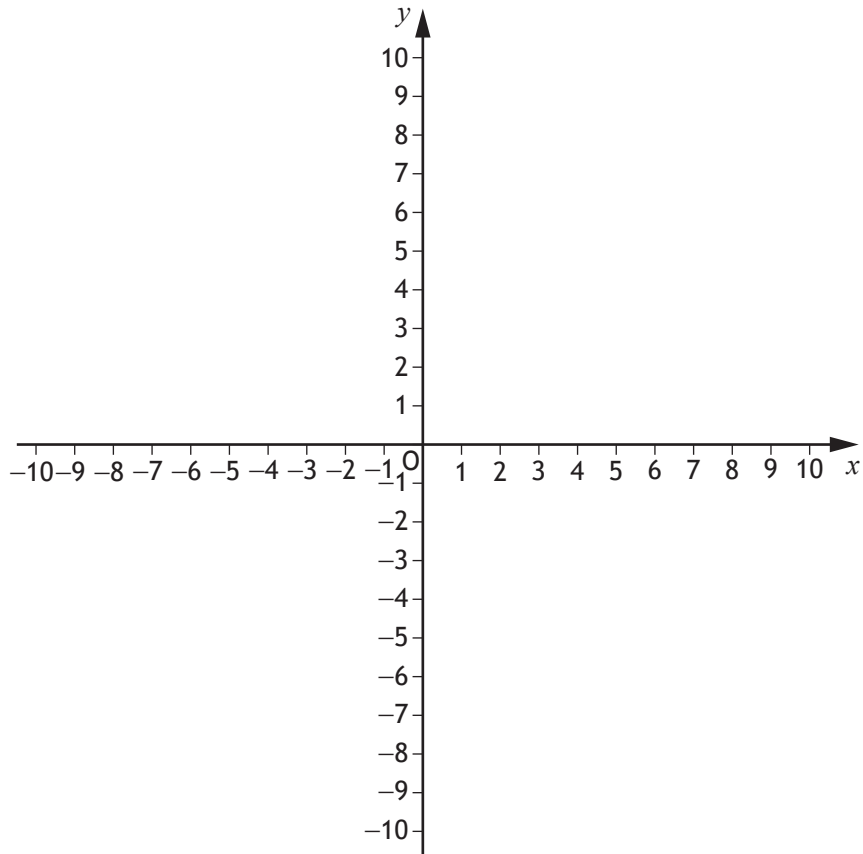
16.



* X 8 4 7 7 6 0 1 1 3 *

An additional diagram, if required, can be found on *page 15*.

17.(a)



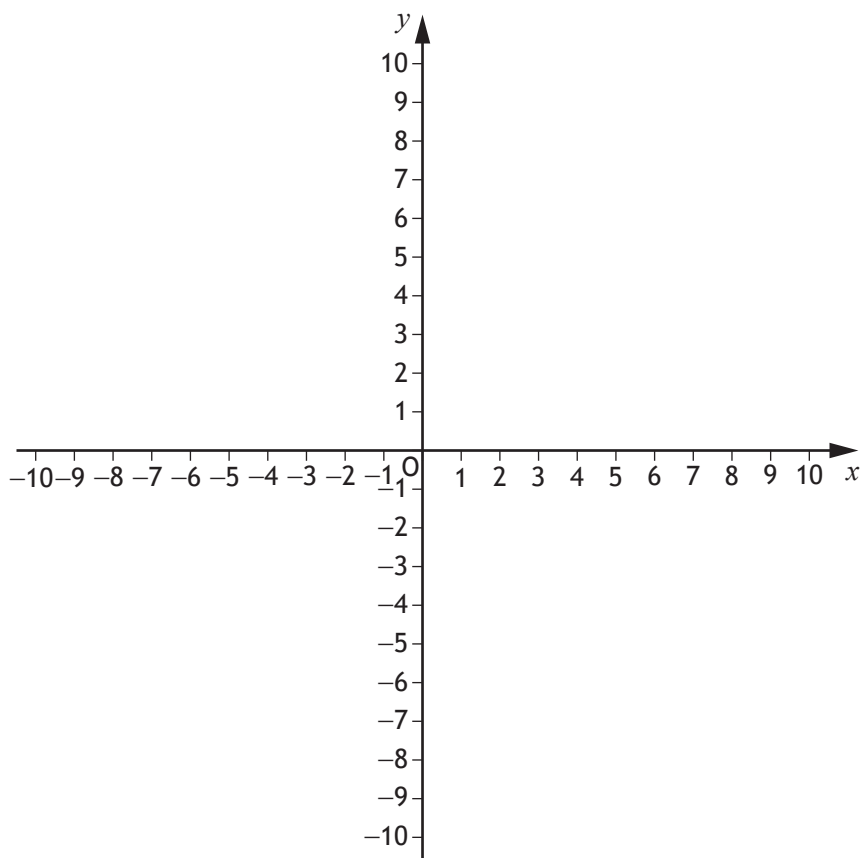
17.(b)

[END OF SECTION 2]



* X 8 4 7 7 6 0 1 1 4 *

Additional diagram for question 17(a).



QUESTION
NUMBER

ADDITIONAL SPACE FOR ANSWERS

DO NOT
WRITE IN
THIS
MARGIN



* X 8 4 7 7 6 0 1 1 6 *

QUESTION
NUMBER

ADDITIONAL SPACE FOR ANSWERS

DO NOT
WRITE IN
THIS
MARGIN



* X 8 4 7 7 6 0 1 1 7 *

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DO NOT WRITE ON THIS PAGE



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DO NOT WRITE ON THIS PAGE



