

Name

Class



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Ordering numbers

(9 – 1) Topic booklet

These questions have been collated from previous years GCSE Mathematics papers.

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser.

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Diagrams are NOT accurately drawn, unless otherwise indicated.
- You must **show all your working out.**
- If the question is a **1F** question you are not allowed to use a calculator.
- If the question is a **2F** or a **3F** question, you may use a calculator to help you answer.

Information

- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

Answer ALL questions
Write your answers in the space provided.
You must write down all the stages in your working.

- 1** Write the following numbers in order of size.
Start with the smallest number.

-7 7 0 -2 -1

.....

November 2022 – 2F

(Total for Question 1 is 1 mark)

- 1** Write the following numbers in order of size.
Start with the smallest number.

0.41 0.5 0.46 0.408

.....

November 2022 – 3F

(Total for Question 1 is 1 mark)

- 1** Write the following numbers in order of size.
Start with the smallest number.

0.32 0.4 0.35 0.309

.....

May 2020 – Paper 1F

(Total for Question 1 is 1 mark)

- 1** Write these numbers in order of size.
Start with the smallest number.

8 -4 1 -7 -2

.....

November 2019 – Paper 2F

(Total for Question 1 is 1 mark)

- 1** Write the following numbers in order of size.
Start with the smallest number.

0.4 0.02 0.37 0.152 0.2

.....

November 2018 – Paper 1F

(Total for Question 1 is 1 mark)

- 1** Write the following numbers in order of size.
Start with the smallest number.

0.61 0.1 0.16 0.106

.....

Sample 1 – Paper 1F

(Total for Question 1 is 1 mark)

- 2 Write the following numbers in order of size.
Start with the smallest number.

8 -7 -10 1 0 -2

November 2021 – Paper 1F

(Total for Question 2 is 1 mark)

- 2 Write the following numbers in order of size.
Start with the smallest number.

-3 4 0 -1 2

June 2019 – Paper 2F

(Total for Question 2 is 1 mark)

- 2 (a) Write the following numbers in order of size.
Start with the smallest number.

-6 6 -5 0 12

(1)

- (b) Write the following numbers in order of size.
Start with the smallest number.

0.078 0.78 0.87 0.708

(1)

May 2018 – Paper 1F

(Total for Question 2 is 2 marks)

- 2** Write these temperatures in order.
Start with the lowest temperature.

7°C -2°C 10°C -5°C 3°C

Specimen 2 – Paper 2F

(Total for Question 2 is 1 mark)

- 3** Write the following numbers in order of size.
Start with the smallest number.

1.02 0.12 1.20 0.21

November 2021 – Paper 2F

(Total for Question 3 is 1 mark)

- 4** Here are four fractions.

$\frac{2}{5}$ $\frac{11}{30}$ $\frac{1}{2}$ $\frac{7}{15}$

Write these fractions in order of size.
Start with the smallest fraction.

June 2017 – Paper 2F

(Total for Question 4 is 2 marks)

- 5 Write these numbers in order of size.
Start with the smallest number.

$$\frac{1}{2} \quad 0.55 \quad 45\%$$

June 2022 – Paper 1F

(Total for Question 5 is 1 mark)

- 5 Write the following numbers in order of size.
Start with the smallest number.

$$1 \quad -4 \quad 0 \quad 7 \quad -6 \quad -3 \quad 2$$

May 2020 – Paper 3F

(Total for Question 5 is 1 mark)

- 6 Write the following numbers in order of size.
Start with the smallest number.

$$-11 \quad -2 \quad 8 \quad -7 \quad 3 \quad 10$$

June 2022 – Paper 2F

(Total for Question 6 is 1 mark)

6 Here are four fractions.

$$\frac{3}{4}$$

$$\frac{5}{7}$$

$$\frac{19}{25}$$

$$\frac{11}{15}$$

Write the fractions in order of size.
Start with the smallest fraction.

November 2018 – Paper 2F

(Total for Question 6 is 2 marks)

8 Write the following fractions in order of size.
Start with the smallest fraction.

$$\frac{1}{3}$$

$$\frac{3}{4}$$

$$\frac{1}{4}$$

$$\frac{7}{12}$$

$$\frac{1}{2}$$

June 2019 – Paper 1F

(Total for Question 8 is 2 marks)

8 Here are four fractions.

$$\frac{1}{2} \quad \frac{17}{24} \quad \frac{3}{4} \quad \frac{5}{12}$$

Write these fractions in order of size.
Start with the smallest fraction.

Specimen 1 – Paper 2F

(Total for Question 8 is 2 marks)

10 Here are four numbers.

$$0.43 \quad \frac{3}{7} \quad 43.8\% \quad \frac{7}{16}$$

Write these numbers in order of size.
Start with the smallest number.

Sample 1 – Paper 3F

(Total for Question 10 is 2 marks)

15 Write the following fractions in order of size.
Start with the smallest fraction.

$$\frac{5}{8} \quad \frac{2}{3} \quad \frac{4}{9} \quad \frac{3}{5}$$

November 2021 – Paper 1F

(Total for Question 15 is 2 marks)