



**Bishops  
Online  
Tutoring**



Education Consultancy

# **Edexcel GCSE Mathematics**

## **ORDERING FRACTIONS, DECIMALS & PERCENTAGES**

### **Materials Required:**

- Pen
- HB Pencil
- Ruler (in centimetres and millimetres)
- Protractor
- Compass

### **Instructions:**

- Use a black ink pen to answer all questions
  - Fill your name in the section below
- Answer the questions in the spaces provided
- Show your working out for all answers

### **Information:**

- The marks allocated for each question are displayed within brackets – utilise this information to gauge the appropriate amount of time to dedicate to each question
- Questions marked with an asterisk (\*) will assess your written communication; be careful of spelling, punctuation and grammar with these questions

### **Advice:**

- Carefully read the question before attempting to answer it
  - Be vary of time and try to answer every question
- If you have enough time in the end, go back and check your answers. A good way to check your answers is to retry the question with the hope of getting the same answer as before without looking at your working out from before

# **NO CALCULATOR ALLOWED**

**NAME:**

1.  $\frac{5}{8}$   $\frac{1}{2}$   $\frac{3}{4}$

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

$$\frac{5}{8} = 0.625$$

$$\frac{1}{2} = 0.5$$

$$\frac{3}{4} = 0.75$$

$$\frac{1}{2}, \frac{5}{8}, \frac{3}{4}$$

(Total 2 marks)

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

(i) 75, 56, 37, 9, 59

$$9, 37, 56, 59, 75$$

(ii) 0.56, 0.067, 0.6, 0.65, 0.605

$$0.067, 0.56, 0.6, 0.605, 0.65$$

(iii) 5, -6, -10, 2, -4

$$-10, -6, -4, 2, 5$$

(iv)  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{2}{5}$ ,  $\frac{3}{4}$

$$\frac{1}{2} = 0.5$$

$$\frac{2}{3} = 0.6$$

$$\frac{2}{5} = 0.4$$

$$\frac{3}{4} = 0.75$$

$$\frac{2}{5}, \frac{1}{2}, \frac{2}{3}, \frac{3}{4}$$

(Total 5 marks)

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

(i) 0.56, 0.067, 0.6, 0.65, 0.605

0.067, 0.56, 0.6, 0.605, 0.65

(ii) 5, -6, -10, 2, -4

-10, -6, -4, 2, 5

(iii)  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{2}{5}$ ,  $\frac{3}{4}$

$\frac{2}{5}$ ,  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{3}{4}$

(Total 4 marks)

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

$\frac{9}{16}$ ,  $\frac{3}{4}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$

$\frac{9}{16} = 0.5625$

$\frac{3}{4} = 0.75$

$\frac{1}{2} = 0.5$

$\frac{5}{8} = 0.625$

$\frac{1}{2}$ ,  $\frac{9}{16}$ ,  $\frac{5}{8}$ ,  $\frac{3}{4}$

(Total 2 marks)

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

$$0.82 \quad \frac{4}{5} \quad 85\% \quad \frac{2}{3} \quad \frac{7}{8}$$

$$\frac{4}{5} = 0.8$$

$$85\% = 0.85$$

$$\frac{2}{3} = 0.\dot{6}$$

$$\frac{7}{8} = 0.875$$

$$\frac{2}{3}, \frac{4}{5}, 0.82, 85\%, \frac{7}{8}$$

(2)

(Total 2 marks)

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

(a) 76, 103, 13, 130, 67

$$13, 67, 76, 103, 130$$

(1)

(b) -3, 5, 0, -7, -1

$$-7, -3, -1, 0, 5$$

(1)

(c) 70%,  $\frac{3}{4}$ , 0.6,  $\frac{2}{3}$

$$70\% = 0.7$$

$$\frac{3}{4} = 0.75$$

$$\frac{2}{3} = 0.\dot{6}$$

$$0.6, \frac{2}{3}, 70\%, \frac{3}{4}$$

(2)

(Total 4 marks)

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

$$0.4 \quad \frac{7}{15} \quad 35\% \quad \frac{3}{7}$$

$$\frac{7}{15} = 0.4\dot{6}$$

$$35\% = 0.35$$

$$\frac{3}{7} = 0.43 \text{ (2 d.p.)}$$

$$\text{..... } 35\%, 0.4, \frac{3}{7}, \frac{7}{15}$$

(2)

(Total 3 marks)

8. Here are six numbers

$$75\% \quad \left(\frac{8}{10}\right) \quad \frac{9}{12} \quad 0.75 \quad \left(66\frac{2}{3}\%\right) \quad \frac{6}{8}$$

Two of the numbers are **not** equal to  $\frac{3}{4}$

Draw a circle around each of the two numbers.

(Total 2 marks)