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

smallest (highest negative integer)

8 –7 –10 1 0 –2

largest (highest positive integer)

Increasing numbers :

negative integers, 0, positive integers

–10 –7 –2 0 1 8 (1)

(Total for Question 1 is 1 mark)

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

convert all numbers to decimals:

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

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

$45\% = 0.45$

so the order is: $45\%, \frac{1}{2}, 0.55$ (1)

(Total for Question 2 is 1 mark)

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

−11 −2 8 −7 3 10

(1)

-11, -7, -2, 3, 8, 10

(Total for Question 3 is 1 mark)

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

−7 7 0 −2 −1

- 7 - 2 - 1 0 7 (1)

(Total for Question 4 is 1 mark)

5 Write down the 7th odd number.

Odd number = number that are not divisible by 2

1, 3, 5, 7, 9, 11, (13) ← 7th odd number

13 (1)

(Total for Question 5 is 1 mark)

6 (a) Work out $\frac{5}{8}$ of 132

$\frac{5}{8} \times 132$ (1)

$= 82.5$ (1)

16.5
$8\overline{)132}$
-8
52
-48
40

$16.5 \times 5 = 82.5$

82.5

(2)

(b) Write the following fractions in order of size.
Start with the smallest fraction.

$\frac{3}{8}$ $\frac{9}{32}$ $\frac{1}{4}$ $\frac{21}{64}$

To compare, use the same denominator for all fractions

$\frac{3 \times 8}{8 \times 8} = \frac{24}{64}$ $\frac{1 \times 16}{4 \times 16} = \frac{16}{64}$

$\frac{9 \times 2}{32 \times 2} = \frac{18}{64}$ $\frac{21}{64}$ (1)

$\frac{1}{4}$ $\frac{9}{32}$ $\frac{21}{64}$ $\frac{3}{8}$ (1)

(2)

(Total for Question 6 is 4 marks)

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

0.41 0.5 0.46 0.408

0.408 , 0.41 , 0.46 , 0.5 (1)

(Total for Question 7 is 1 mark)

8 Here is a list of numbers.

1.6 1.4 2.1 0.5 1.3

From the list, write down the smallest number.

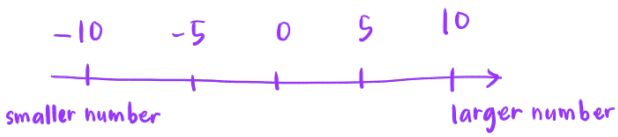
✓ (1)

0.5

(Total for Question 8 is 1 mark)

7 –5 3 9 –2

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



-5, -2, 3, 7, 9 (1)

(Total for Question 9 is 1 mark)

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

0.21 0.2 0.03 0.1 0.16

0.03 , 0.1 , 0.16 , 0.2 , 0.21 (1)

(Total for Question 10 is 1 mark)

11 Write the following numbers in order.
Start with the lowest number.

4 –3 7 2 –1

-3, -1, 2, 4, 7 (1)

(Total for Question 11 is 1 mark)

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

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

(largest) (smallest)

0.5 0.666... 0.25

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

(Total for Question 12 is 1 mark)