

1 Write the following numbers in order of size.

Start with the smallest number.

8 -7 -10 1 0 -2

smallest (highest negative integer)

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

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

①

(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.

1, 3, 5, 7, 9, 11, ⑬ ← 7th odd number

odd number = number that are not divisible by 2

13 ①

(Total for Question 5 is 1 mark)

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

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

$$= 82.5 \quad (1)$$

$$\begin{array}{r} 16.5 \\ 8 \overline{)132} \\ \underline{-8} \\ 52 \\ \underline{-48} \\ 40 \end{array}$$

$$\begin{array}{r} 16.5 \\ \times 5 \\ \hline 82.5 \end{array}$$

$$82.5$$

(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

$$\frac{3 \times 8}{8 \times 8} = \frac{24}{64}$$

$$\frac{1 \times 16}{4 \times 16} = \frac{16}{64}$$

$$\frac{9 \times 2}{32 \times 2} = \frac{18}{64}$$

$$\frac{21}{64} \quad (1)$$

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

(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

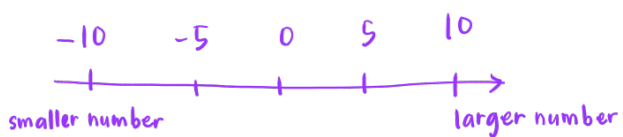
From the list, write down the smallest number.

0.5 ✓ ①

(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)