

Fundamental Knowledge Test

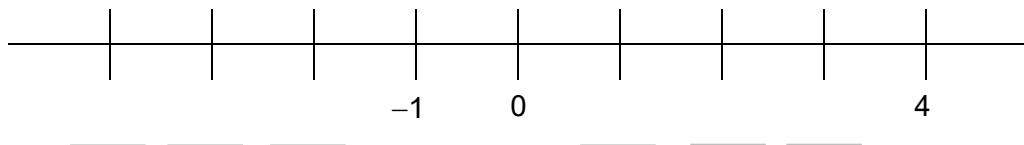
Negative numbers v1.0

You may not use a calculator.

Answer the questions in the spaces provided.

- 1 Complete this number line.

[2 marks]



- 2 Which is the lower temperature?

[1 mark]

-2°C or -6°C

Answer _____

- 3 Circle the larger number in each of these pairs of numbers:

[3 marks]

-99 or 10

67 or -76

-14 or -16

- 4 List the following numbers in ascending (increasing) order

[2 marks]

8 , -8 , 0 , 2 , -4 , 10

Answer _____

- 5 What do you need to add to -6 to make 0?

[1 mark]

Answer _____

- 6 The temperature at midnight in Manchester one day was -3.6°C .
The next day at midnight it was 2°C lower.
What was the temperature at midnight on the second day?

[1 mark]

Answer _____

- 7 Here are some number sequences.

Fill in the missing spaces.

[3 marks]

12, 7, 2, _____ , _____

-19 , -11 , -3 , _____ , _____

-10 , _____ , -2 , 2, _____

- 8 What number is 5 less than -2 ?

[1 mark]

Answer _____

9

Work out the answers to the following:

[8 marks]

$$-4 + 2 = \underline{\hspace{2cm}}$$

$$10 + (-3) = \underline{\hspace{2cm}}$$

$$-6 - 2 = \underline{\hspace{2cm}}$$

$$-3 + -7 = \underline{\hspace{2cm}}$$

$$6 - (-5) = \underline{\hspace{2cm}}$$

$$-4 - -2 = \underline{\hspace{2cm}}$$

$$-8 \times 2 = \underline{\hspace{2cm}}$$

$$-15 \div 5 = \underline{\hspace{2cm}}$$

10

Here are 4 numbers:

 $-4, -3, 3, 4$

Write a number in each box to make a correct calculation

[2 marks]

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- 11** The temperature in four cities was measured at 6 am one day:

Edinburgh	-12.8°C
Manchester	-4.5°C
Bristol	-6.0°C
Southampton	2.5°C

- (a)** Which city had the lowest temperature at 6 am?

[1 mark]

Answer _____

- (b)** What was the difference between the temperatures in Manchester and Southampton?

[2 marks]

Answer _____

- (c)** At 3 pm the temperature in Bristol was 10°C higher than at 6 am.

What was the temperature in Bristol at 3 pm?

[2 marks]

Answer _____