

Negative numbers in context

Grade 2 | Foundation | 14 questions, 24 marks

GCSE Maths topic practice



Scan for the solutions

Name: _____ **Date:** _____ **Score:** _____ / 24

1 Which is colder, -4°C or -9°C ? (1 mark)

Answer _____

2 The temperatures in five cities one morning were
 -3°C , 5°C , -8°C , 0°C , 2°C
Write these temperatures in order, starting with the lowest. (2 marks)

Answer _____

3 Work out $-3 + 8$ (1 mark)

Answer _____

4 Work out $4 - 9$ (1 mark)

Answer _____

5 At 6 am the temperature was 4°C . By midnight it had fallen by 11°C .
What was the temperature at midnight? (2 marks)

Answer _____

6 Amira has £45 in her bank account. She pays a bill of £60.
a. Work out her new balance.
b. She then pays £100 into the account. Work out her balance now. (2 marks)

Answer _____

- 7** A lift is on floor 2. It goes down 5 floors. The floors below the ground floor are numbered -1 , -2 , -3 and so on.

Which floor is the lift on now?

(1 mark)

Answer _____

- 8** Work out $-6 - 5$

(1 mark)

Answer _____

- 9** A submarine is 40 m below sea level. It rises 25 m.

- a. Write the new position of the submarine as a negative number, in metres, compared with sea level.
b. How many more metres must it rise to reach sea level?

(2 marks)

Answer _____

- 10** Work out

- a. $5 - (-3)$
b. $-2 - (-6)$

(2 marks)

Answer _____

- 11** In one week the lowest temperature was -8°C and the highest was 6°C .

Work out the difference between the highest and lowest temperatures.

(2 marks)

Answer _____

- 12** At midnight the temperature in York was -4°C .

By 4 am the temperature had fallen by 5°C .

By 10 am the temperature had risen by 8°C from its 4 am value.

Work out the temperature at 10 am.

(2 marks)

Answer _____

13 The temperature in Cardiff is 3°C .

The temperature in Oslo is -8°C .

Work out how many degrees colder Oslo is than Cardiff.

(2 marks)

Answer _____

14

a. Work out $(-4)^2$

b. Work out $2 - (-7)$

c. Put a pair of brackets in this statement to make it true.

$$3 - 5 \times 2 = -4$$

(3 marks)

Answer _____

End of questions | Total 24 marks