JRA Tutors
Private tuition and small online Study Pods

Negative Numbers

Grade 1 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (28 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 48 marks.

Warm-up

1 Work out $-7 - (-12)$. **[1 mark]**

Answer _____

2 Work out $-9 - (-9)$. **[1 mark]**

Answer _____

3 Work out $3 - 3$. **[1 mark]**

Answer _____

4 Work out $2 - 10$. **[1 mark]**

Answer _____

5 Work out $-11 - (-2)$. **[1 mark]**

Answer _____

Core

6 Work out $24 \div (-2)$. **[2 marks]**

Answer _____

7 Work out $-3 \times (-5)$. **[2 marks]**

Answer _____

8 Work out $72 \div 8$. **[2 marks]**

Answer _____

9 Work out $-6 \times (-4)$. **[2 marks]**

Answer _____

10 Work out $-40 \div 5$. **[2 marks]**

Answer _____

Stretch

11 At midnight the temperature is $-2°C$. By noon it has risen by $8°C$. By evening it has fallen by $12°C$. What is the evening temperature? **[3 marks]**

Answer _____

12 One city is $13°C$ and another is $-8°C$. What is the difference in temperature? **[2 marks]**

Answer _____

13 At midnight the temperature is −4°C. By noon it has risen by 17°C. By evening it has fallen by 24°C. What is the evening temperature? **[3 marks]**

Answer _____

14 One city is 20°C and another is −9°C. What is the difference in temperature? **[2 marks]**

Answer _____

15 At midnight the temperature is −4°C. By noon it has risen by 20°C. By evening it has fallen by 14°C. What is the evening temperature? **[3 marks]**

Answer _____

Challenge

16 Work out $(-9)^2 - 3 \times (-8)$. **[4 marks]**

Answer _____

17 Work out $4 - (-9) \times 7$. **[4 marks]**

Answer _____

18 Work out $(-7 + 3) \times (-3 - 3)$. **[4 marks]**

Answer _____

19 Work out $-21 \div 3 - (-3)^2$. **[4 marks]**

Answer _____

20 Work out $5 \times (-6) - (-2) \times (-7)$. **[4 marks]**

Answer _____