Negative numbers

Name: _____ Date: _____



Mr Boston says: The difference between −3 °C and 5 °C is 8 degrees (count the steps).

A. Adding and subtracting

1 −4 + (−9) =

Answer: _____

2 −6 − (−10) =

Answer: _____

3 4 + (−1) =

Answer: _____

4 −3 − (−12) =

Answer: _____

B. Multiplying and dividing

Same signs: positive. Different signs: negative.

5 5 × 7 =

Answer: _____

6 −4 ÷ 2 =

Answer: _____

7 −3 × 3 =

Answer: _____

8 −3 ÷ 1 =

Answer: _____

C. Real life

9 The temperature is −4 °C. It rises by 9 degrees. What is the new temperature?

Answer: _____

10 What is the difference between −10 °C and 6 °C?

Answer: _____

11 Put in order, coldest first: 3 °C, −8 °C, −1 °C, −12 °C, 0 °C

Answer: _____

12 A bank account has −£35. £80 is paid in. What is the new balance?

Answer: _____

13 A lift is on floor 3. It goes down 5 floors. Which floor is it on now?

Answer: _____

Answers for grown-ups

Negative numbers

1. −4 + (−9) = → **−13**
2. −6 − (−10) = → **4**
3. 4 + (−1) = → **3**
4. −3 − (−12) = → **9**
5. 5 × 7 = → **35**
6. −4 ÷ 2 = → **−2**
7. −3 × 3 = → **−9**
8. −3 ÷ 1 = → **−3**
9. The temperature is −4 °C. It rises by 9 degrees. What is the new temperature? → **5 °C**
10. What is the difference between −10 °C and 6 °C? → **16 degrees**
11. Put in order, coldest first: 3 °C, −8 °C, −1 °C, −12 °C, 0 °C → **−12, −8, −1, 0, 3 (°C)**
12. A bank account has −£35. £80 is paid in. What is the new balance? → **£45**
13. A lift is on floor 3. It goes down 5 floors. Which floor is it on now? → **floor −2**