Integers (negative numbers)

Name: _____ Date: _____

Remember: On the number line a number **further left is always smaller**: −8 < −2. Add a positive number: jump **right**. Subtract: jump **left**. **Why?** Below 0 we just keep counting back, like a thermometer.

1. Which is colder: −5 °C or −2 °C?

Answer: _____

2. Order from small to big: 3 · −4 · 0 · −1 · 2

Answer: _____

3. Which number is 3 to the left of 1 on the number line?



Answer: _____

4. −6 + 4 =

Answer: _____

5. 5 − 8 =

Answer: _____

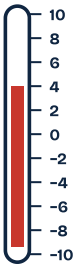
6. −3 − 4 =

Answer: _____

7. −2 + 9 =

Answer: _____

8. The temperature is 4 °C. It drops by 7 degrees. What is the temperature now?



Answer: _____

9. A lift is on floor 2 and goes down 5 floors. Which floor is it on now?

Answer: _____

10. Fill in < or >: −7 ___ −3

Answer: _____

11. What is the difference between 6 °C and −4 °C?

Answer: _____

12. Which number is as far from 0 as 8, but on the other side of 0?

Answer: _____

13. Write the next two numbers: 6, 3, 0, −3, ___, ___

Answer: _____

14. You have R50 in the bank and spend R80. What is your balance?

Answer: _____

15. A diver is at −12 m. He swims 5 m up and then 8 m down. Where is he now?

Answer: _____

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I got _____ out of 15 ★ ★ ★

Memo · Integers (negative numbers)

1. **−5 °C**
−5 is further left on the number line.

2. **−4 · −1 · 0 · 2 · 3**

3. **−2**

4. **−2**
Start at −6 and jump 4 right.

5. **−3**
Start at 5 and jump 8 left.

6. **−7**
Start at −3 and jump 4 left.

7. **7**
Start at −2 and jump 9 right.

8. **−3 °C**
4 − 7 = −3

9. **−3**
2 − 5 = −3 (the third basement level)

10. **<**
−7 is further left, so smaller.

11. **10 °C**
From −4 to 0 is 4; from 0 to 6 is 6; 4 + 6 = 10.

12. **−8**

13. **−6, −9**
Subtract 3 each time.

14. **−R30**
50 − 80 = −30: you owe the bank R30.

15. **−15 m**
−12 + 5 = −7; −7 − 8 = −15

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