Subtracting integers

6 questions | 13 marks

Equivalent correct methods earn the corresponding marks.

1. Calculate $8 - 13$. [2 marks]

Rewrite as $8 + (-13)$.

Five negative units remain after cancellation.

Answer: -5

2. Calculate $-6 - (-2)$. [2 marks]

Subtracting -2 is adding 2.

$-6 + 2 = -4$.

Answer: -4

3. Calculate $-4 - 7$. [2 marks]

Rewrite as $-4 + (-7)$.

Combine the negative amounts.

Answer: -11

4. Calculate $0 - (-9)$. [2 marks]

The opposite of -9 is 9.

$0 + 9 = 9$.

Answer: 9

5. The temperature changes from $-3°C$ to $4°C$. Use subtraction to find the signed change. [3 marks]

Change is final minus initial.

$4 - (-3) = 4 + 3 = 7$.

Answer: $+7°C$

6. Calculate $-5 - (-8)$. [2 marks]

Subtracting -8 adds 8.

$-5 + 8 = 3$.

Answer: 3