Adding integers

6 questions | 13 marks

Equivalent correct methods earn the corresponding marks.

1. Calculate $-8+3$. [2 marks]

Cancel three opposite units.

Five negative units remain.

Answer: -5

2. Calculate $6+(-10)$. [2 marks]

Move ten units left from 6.

Six units reach zero and four more reach -4.

Answer: -4

3. Calculate $-5+(-9)$. [2 marks]

Both amounts are negative.

Combine sizes 5 and 9 in the negative direction.

Answer: -14

4. Calculate $-12+12$. [2 marks]

The amounts are opposites and cancel exactly.

Answer: 0

5. A balance of -7 dollars receives a deposit of 20 dollars. Find the new balance. [2 marks]

The deposit is positive.

$-7+20=13$.

Answer: 13 dollars

6. Calculate $2+(-6)+(-3)$. [3 marks]

First $2+(-6)=-4$.

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

Answer: -7