Four operations with integers

6 questions | 13 marks

Equivalent correct methods earn the corresponding marks.

1. Calculate $-9+4$. [2 marks]

Move four places right from -9.

The result is -5.

Answer: -5

2. Calculate $3-(-8)$. [2 marks]

$3-(-8)=3+8=11$.

Answer: 11

3. Calculate $(-7)\times 6$. [2 marks]

Different signs give a negative result.

$7\times 6=42$, so the product is -42.

Answer: -42

4. Calculate $(-48) \div (-8)$. [2 marks]

Same signs give a positive result.

$48 \div 8 = 6$.

Answer: 6

5. Calculate $-5 + 3(-4)$. [2 marks]

$3(-4) = -12$.

$-5 + (-12) = -17$.

Answer: -17

6. A submarine is at -18 m relative to sea level. It rises 7 m, then descends 12 m. Find its final position. [3 marks]

$-18 + 7 - 12 = -11 - 12 = -23$.

It finishes 23 m below sea level.

Answer: -23 m