# Order of operations

6 questions | 13 marks

Equivalent correct methods earn the corresponding marks.

**1.** Calculate $8 - 3 \times 5$. [2 marks]

$3 \times 5 = 15$, so $8 - 15 = -7$.

**Answer:** -7

**2.** Calculate $(8 - 3) \times 5$. [2 marks]

$8 - 3 = 5$, then $5 \times 5 = 25$.

**Answer:** 25

**3.** Calculate $-3^2 + 4$. [2 marks]

$-3^2 = -9$, then $-9 + 4 = -5$.

**Answer:** -5

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

$(-3)^2 = 9$, then $9 + 4 = 13$.

**Answer:** 13

**5.** Calculate $24 \div 6 \times 2$. [2 marks]

Work left to right: $24 \div 6 = 4$, then $4 \times 2 = 8$.

**Answer:** 8

**6.** Calculate $18 - 2[3 + (-1)]$. [3 marks]

$3 + (-1) = 2$.

$2 \times 2 = 4$, so $18 - 4 = 14$.

**Answer:** 14