Brackets/order of operations

6 questions | 9 marks

Equivalent correct methods earn the corresponding marks.

1. Calculate $7+4\times3$. [1 mark]

$4\times3=12$; $7+12=19$.

Answer: 19.

2. Calculate $(7+4)\times3$. [1 mark]

The bracket gives 11; $11\times3=33$.

Answer: 33.

3. Calculate $18\div3\times2$. [2 marks]

$18\div3=6$, then $6\times2=12$.

Answer: 12.

4. Calculate $20-6+2$. [1 mark]

Work left to right: $20-6=14$, then $14+2=16$.

Answer: 16.

5. Calculate 4 squared + 3×2. [2 marks]

4 squared is 16; $3\times2=6$; $16+6=22$.

Answer: 22.

6. Five notebooks cost 3 dollars each. A pen costs 2 dollars. Write and evaluate a calculation for the total. [2 marks]

Find the notebook cost first, then add the pen.

Answer: $5\times3+2=17$ dollars.