Multi-step models

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. Three rulers cost 4 dollars each. Find the total. [1 mark]

$3 \times 4 = 12$.

Answer: 12 dollars

2. Four tickets cost 6 dollars each. A group booking fee is 3 dollars once. Find the full cost. [2 marks]

$4 \times 6 = 24$.

$24 + 3 = 27$.

Answer: 27 dollars

3. A student pays 30 dollars for 3 packs costing 8 dollars each. Find the change. [2 marks]

$3 \times 8 = 24$.

$30 - 24 = 6$.

Answer: 6 dollars

4. A class needs 8 pots costing 5 dollars each. It has 36 dollars. How much more is needed? [2 marks]

$8 \times 5 = 40$.

$40 - 36 = 4$.

Answer: 4 dollars

5. Complete the group costs and the grand total. [3 marks]

Class project purchases

Item	Quantity	Price each
Bags	3	6 dollars
Labels	4	2 dollars

$3 \times 6 = 18$; $4 \times 2 = 8$.

$18 + 8 = 26$.

Answer: Bags 18 dollars; labels 8 dollars; total 26 dollars.

6. Nia buys 2 games at 9 dollars each and pays one delivery fee of 4 dollars. She says the total is 26 dollars. Identify the likely mistake and correct it. [2 marks]

$2 \times 9 = 18$.

The once-only fee gives $18 + 4 = 22$, not $18 + 8$.

Answer: She added delivery twice. The total is 22 dollars.