Responsible purchases

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. You need 9 cups. Packs contain 3 cups and cost 4 dollars. How many packs and what total cost? [2 marks]

9 ÷ 3 = 3 packs.

3 × 4 = 12.

Answer: 3 packs; 12 dollars

2. Compare enough stickers for 12 children: A has 6 for 5 dollars; B has 4 for 4 dollars. Find the cheaper option. [2 marks]

A needs 2 packs; 2 × 5 = 10.

B needs 3 packs; 3 × 4 = 12.

Answer: A: 10 dollars, compared with B: 12 dollars.

3. A class has a 20-dollar budget for 12 markers. Pack A has 6 for 8 dollars. Can the class afford enough? State the money left. [2 marks]

Two packs provide 12 markers and cost 16 dollars.

20 − 16 = 4.

Answer: Yes; 4 dollars remains.

4. A pen costing 5 dollars can be used for the whole term. Three short-life pens costing 2 dollars each are needed for the same term. Which has the lower stated term cost? [2 marks]

Three short-life pens cost $3 \times 2 = 6$ dollars.

$6 - 5 = 1$.

Answer: The 5-dollar pen, by 1 dollar.

5. A bag costs 9 dollars. A second bag costs 12 dollars and has a waterproof pocket. Your budget is 12 dollars and both carry everything needed. Give a justified choice. [2 marks]

Both meet the need and budget.

State a given feature or a cost saving; do not invent extra product claims.

Answer: Either: choose 9 dollars to save 3 dollars, or choose 12 dollars if the waterproof pocket matters.

6. A purchase costs 18 dollars. Delivery is 4 dollars. A learner has 20 dollars and says it is affordable because 18 is below 20. Explain. [2 marks]

$18 + 4 = 22$.

All required costs must be included.

Answer: It is not affordable with delivery; the total is 22 dollars, 2 dollars too much.