Money and practical problems - topic test

12 questions | 20 marks | 30 minutes

A progressive paper covering estimates, full costs, choices and a class enterprise.

Equivalent correct methods earn the corresponding marks.

1. Round a price of 46 dollars to the nearest ten dollars. [1 mark]

46 is closer to 50 than 40.

Answer: 50 dollars

2. Estimate 18 + 31 dollars by rounding each to the nearest ten. [2 marks]

20 + 30 = 50.

Answer: 50 dollars

3. Find the exact total of 18 and 31 dollars. [1 mark]

18 + 31 = 49.

Answer: 49 dollars

4. Three notebooks cost 6 dollars each. Find their cost. [1 mark]

3 × 6 = 18.

Answer: 18 dollars

5. Add one 4-dollar delivery fee to the notebook order in Question 4. [1 mark]

18 + 4 = 22.

Answer: 22 dollars

6. A student pays 30 dollars for an order costing 22 dollars. Find the change. [1 mark]

30 − 22 = 8.

Answer: 8 dollars

7. You need 12 badges. Packs contain 4 and cost 5 dollars. Find the full cost. [2 marks]

12 ÷ 4 = 3 packs; 3 × 5 = 15.

Answer: 15 dollars

8. You need 12 badges. A pack of 6 costs 7 dollars. Is this cheaper than three 5-dollar packs of 4? [2 marks]

Two packs of 6 cost 14 dollars.

Three packs of 4 cost 15 dollars.

Answer: Yes, by 1 dollar.

9. A class collects 72 dollars and pays costs of 38 dollars. Find what is left. [1 mark]

72 − 38 = 34.

Answer: 34 dollars

10. A learner has 50 dollars and estimates that items costing 24 and 27 dollars will cost 50. Can the learner pay? Explain. [2 marks]

24 + 27 = 51.

An estimate is not an exact affordability check.

Answer: No; the exact total is 51 dollars, a 1-dollar shortage.

11. Two suitable materials make the same number of cards. Reused material costs 12 dollars; new material costs 19 dollars. State one mathematical reason to choose reused material. [2 marks]

19 − 12 = 7.

Both are stated to be suitable and make the same quantity.

Answer: It saves 7 dollars.

12. A class sells all 15 craft items for 4 dollars each. Supplies cost 26 dollars. [4 marks]

(a) Find the income and the amount left after supplies. [2 marks]

15 × 4 = 60; 60 − 26 = 34.

Answer: Income 60 dollars; amount left 34 dollars.

(b) The class donates 20 dollars from the amount left. How much does it save? [2 marks]

34 − 20 = 14 dollars.

Answer: 14 dollars