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]

$3 \times 6 = 18$.

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]

$12 \div 4 = 3$ packs; $3 \times 5 = 15$.

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]

$15 \times 4 = 60$; $60 - 26 = 34$.

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