Practical spending/budget comparisons

6 questions | 16 marks

Equivalent correct methods earn the corresponding marks.

1. A group has 80 dollars. Food costs 32.50 dollars and transport costs 28 dollars. Find the money left. [2 marks]

Total spending is 60.50 dollars; subtract from 80.

Answer: 19.50 dollars

2. Buy exactly 10 pencils: packs of 2 cost 1.40 dollars, or packs of 5 cost 3 dollars. Which option costs less? [3 marks]

Five 2-packs cost 7 dollars; two 5-packs cost 6 dollars.

Answer: Two 5-packs cost 6 dollars, saving 1 dollar.

3. You spend 30% of a 50-dollar budget on food and another 18 dollars on travel. What remains? [3 marks]

Food costs 15 dollars; total spending is 33 dollars.

$50 - 33 = 17$ dollars.

Answer: 17 dollars

4. A game costs 26 dollars online plus 6 dollars delivery, or 31 dollars in a local shop. Which total is lower? [2 marks]

$\text{Online total} = 26 + 6 = 32$ dollars; $\text{local total} = 31$ dollars.

Answer: The local shop, by 1 dollar.

5. Exactly 12 people need transport. Option A costs a flat 60 dollars; option B costs 6 dollars per person. Both have enough seats. Compare costs. [3 marks]

Option B: $12 \times 6 = 72$.

$72 - 60 = 12$ dollars.

Answer: A costs 60 dollars and B costs 72 dollars; A saves 12 dollars.

6. A class has 100 dollars. It needs 8 art kits at 9.50 dollars each and a 12-dollar delivery. Can it also buy a 15-dollar poster? [3 marks]

Kits and delivery cost $8 \times 9.50 + 12 = 88$ dollars.

Adding the poster gives 103 dollars.

Answer: No; it would exceed the budget by 3 dollars.