Consumer goals

6 questions | 14 marks

Equivalent correct methods earn the corresponding marks.

1. A goal costs 38 dollars and you have 17 dollars. How much more is needed? [2 marks]

$38 - 17 = 21$.

Answer: 21 dollars

2. You need 24 more dollars and save 6 dollars weekly. How many weeks? [2 marks]

$24 \div 6 = 4$.

Answer: 4 weeks

3. A goal costs 50 dollars. You have 14 dollars and save 8 dollars weekly. How many whole weeks? [3 marks]

Need $50 - 14 = 36$ dollars.

Four weeks give 32 dollars, too little.

Five weeks give 40 dollars, enough.

Answer: 5 weeks

4. You need 10 books. A pack of 5 costs 7 dollars; a pack of 10 costs 13 dollars. Choose the cheaper total and find the saving. [2 marks]

Two small packs cost $2 \times 7 = 14$ dollars.

$14 - 13 = 1$.

Answer: One pack of 10 saves 1 dollar.

5. Store A sells a ball for 18 dollars plus 5 dollars delivery. Store B sells the same ball for 22 dollars with free delivery. Which total is lower? [2 marks]

A: $18 + 5 = 23$ dollars.

B: 22 dollars.

$23 - 22 = 1$.

Answer: Store B by 1 dollar.

6. A folder must lie flat across the width of a bag. It is 30 cm wide. Bag A is 25 cm wide and costs 15 dollars. Bag B is 35 cm wide and costs 20 dollars. Give a sensible choice. [3 marks]

Compare with 30 cm: $25 < 30$ and $35 > 30$.

A cheaper bag that cannot fit the folder does not meet this goal.

Answer: Bag B fits the stated goal; Bag A is too narrow.