Discounts and sale prices

6 questions | 15 marks

Equivalent correct methods earn the corresponding marks.

1. Find the saving on a 60-dollar bag with 25% off. [2 marks]

One quarter of 60 is 15.

Answer: 15 dollars

2. Find the sale price of a 90-dollar item with 10% off. [2 marks]

$\text{Saving} = 9$ dollars; $90 - 9 = 81$.

Answer: 81 dollars

3. A 48-dollar item is discounted by 50%. Find its sale price. [2 marks]

Half the original price remains.

Answer: 24 dollars

4. Find the sale price after 15% off 80 dollars. [3 marks]

10 percent is 8 dollars and 5 percent is 4 dollars.

$\text{Saving} = 12$ dollars; $\text{price paid} = 80 - 12 = 68$.

Answer: 68 dollars

5. Shop A charges 70 dollars with 20% off. Shop B charges 60 dollars. Which is cheaper, and by how much? [3 marks]

A saves 14 dollars and costs 56 dollars.

$60 - 56 = 4$ dollars.

Answer: Shop A by 4 dollars.

6. A 120-dollar bike has 25% off, but delivery costs 12 dollars. What is the total cost? [3 marks]

$\text{Saving} = 30$ dollars, so $\text{bike price} = 90$ dollars.

Add delivery: $90 + 12 = 102$ dollars.

Answer: 102 dollars