Calculating discounts

6 questions | 11 marks

Equivalent correct methods earn the corresponding marks.

1. A game costs 65 dollars. Find the price after 10% off. [2 marks]

10% of 65 is 6.50; $65 - 6.50 = 58.50$.

Answer: 58.50 dollars.

2. A hat costs 48 dollars. Find the saving with 25% off. [1 mark]

$25\% = \frac{1}{4}$; $48 \div 4 = 12$.

Answer: 12 dollars.

3. A ball costs 35 dollars. Find the price after 20% off. [2 marks]

20% is 7 dollars; $35 - 7 = 28$.

Answer: 28 dollars.

4. A backpack costs 86 dollars. It is half price. How much is paid? [1 mark]

Half price means a 50% discount; $86 \div 2 = 43$.

Answer: 43 dollars.

5. Mina has 60 dollars. A coat normally costs 80 dollars and has 25% off. Can she afford it with no extra fees? [2 marks]

A quarter of 80 is 20; $80 - 20 = 60$.

Answer: Yes, exactly.

6. Shop A offers 20% off a 50-dollar bag. Shop B offers 5 dollars off a 43-dollar bag of the same model. Which final price is lower, and by how much? [3 marks]

A: $50 - 10 = 40$ dollars.

B: $43 - 5 = 38$ dollars. The difference is 2 dollars.

Answer: Shop B is 2 dollars cheaper.