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%=1/4; 48÷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÷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.