Percentage/financial arithmetic

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. Find 6% of AUD 850. [2 marks]

$0.06 \times 850 = 51.$

Answer: AUD 51.00

2. Reduce AUD 96 by 15%. [2 marks]

$96 \times 0.85 = 81.60.$

Answer: AUD 81.60

3. A bill rises from AUD 125 to AUD 140. Find its percentage increase. [2 marks]

$\text{Change} = 15.$

$\frac{15}{125} \times 100 = 12\%.$

Answer: 12%

4. A jacket costs AUD 108 after a 25% discount. Find the original price. [2 marks]

$0.75P = 108.$

$P = 144.$

Answer: AUD 144.00

5. AUD 500 increases 10%, then decreases 10%. Find the final value and overall change. [2 marks]

$500 \times 1.1 \times 0.9 = 495.$

$\frac{5}{500} = 0.01.$

Answer: AUD 495.00;1% decrease

6. Add 8% tax to a tax-exclusive price of AUD 225. Find tax and total. [2 marks]

$0.08 \times 225 = 18.$

$225 + 18 = 243.$

Answer: AUD 18 tax; AUD 243 total