

Solutions

2.1 Multiply by 1.15: $80 \times 1.15 = 92$.

2.2 The sale price is 75% of the original: $90 / 0.75 = 120$.

2.3 There are seven ratio parts. The larger share is $84 \times 5/7 = 60$.

3.1 False. Starting at 100 gives 80 after the decrease and 96 after the increase. The overall multiplier is $0.8 \times 1.2 = 0.96$, a 4% decrease.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.