

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 $84 \times 5 / 7 = 60$.

2.4 False. A percentage uses a stated base. Subtracting the percentages loses that base. For compound change, multiply the multipliers; do not add the percentages.

2.5 A A factor that performs a percentage change in one multiplication.

3.1 Factor $1.2 \times 0.8 = 0.96$, a 4% fall. Recovery factor $1 / 0.96$, giving 4.1667% increase. Both percentage changes use different bases.