



Decimals & Percentages - Answers

Answer Key

Section A: Decimal Reasoning

1. 16
2. Any two values from 6.45-6.54, e.g. 6.45 and 6.54
3. £17.44 total, £2.56 change from £20
4. $\frac{3}{4}$, then 0.7 and 70% (equal), then 0.075
5. $0.5 = \frac{5}{10} = \frac{1}{2}$, and 50% also means $\frac{50}{100} = \frac{1}{2}$ - they are three ways of writing the same value

Section B: Percentage Problems

1. £48.60 ($£45 + 20\% = £54$, then $£54 - 10\% = £48.60$)
2. 200 (30 is 15% of the number, so $30 \div 0.15 = 200$)
3. 10 pupils absent (4% of 250)
4. £840 ($£800 + 5\% \text{ of } £800$)
5. Shop A is cheaper, by £11.50 (Shop A: £60; Shop B: $(£80 - £15) \times 1.10 = £71.50$)