

**Section A: Multi-Step Word Problems**

1. Total £1,350 ($£850 + 40 \times £12.50$); £33.75 per pupil ($£1,350 \div 40$)
2. 30 minutes to fill ($450 \div 15$); 180 litres after 12 minutes (15×12)
3. 225g of sugar needed (450g flour is $\frac{3}{4}$ of 600g, so scale sugar the same way: $\frac{3}{4} \times 300\text{g}$); feeds 6 people ($8 \text{ people} \times \frac{3}{4}$)
4. £20 (pay for the two more expensive items: $£12 + £8$, the £5 item is free)
5. £17,000 ($£20,000 - 15\%$)

Section B: Ratio, Algebra & Data Combined

1. 480g flour, 240g sugar (ratio 4:2:1, 120g butter = 1 part, so flour = 4 parts = 480g, sugar = 2 parts = 240g)
2. $x = 7$, $x^2 = 49$
3. 9 ($(20 + 7) \div 3$)
4. 75 pupils ($100\% - 20\% - 25\% - 30\% = 25\%$ of 300)
5. 60 and 36 (ratio 5:3 sums to 8 parts, $96 \div 8 = 12$ per part, so $5 \times 12 = 60$ and $3 \times 12 = 36$)