

Essential knowledge: Non-calculator

1. (a) $\frac{2}{5} + \frac{1}{7}$ (b) $\frac{8}{9} - \frac{3}{4}$ (c) $\frac{2}{3} \times \frac{3}{4}$
2. (a) 4% of 125kg (b) Increase 75ml by 8%
- (c) An antique vase bought for £400 is now worth £320. What was the percentage loss?
- (d) A TV costs £650 + VAT. Find the total cost if VAT is 20%.

Calculators permitted but all working needs to be shown.**Unit level:**

3. Peter spends $\frac{2}{5}$ of his wages on rent and $\frac{1}{4}$ of his wages on Petrol. What fraction of his wages does he have left over?
4. (a) $2\frac{3}{8} + 4\frac{1}{4}$ (b) $5\frac{3}{4} - 1\frac{2}{3}$ (c) $2\frac{7}{10} \times 4\frac{2}{3}$ (d) $6\frac{3}{4} \div 5\frac{5}{8}$
5. A car bought for £8700 depreciates at 2.6% per annum. What will the car be worth in 4 years' time? (Round your answer to the nearest penny)
6. A Laptop is discounted by 18% in a sale. If the sale price is £344.40, what was the original price?

Assessment level:

7. Megan and Janine have the same mobile phone and contract. Megan $\frac{4}{5}$ uses of her data allowance and Janine $\frac{5}{6}$ uses of her allowance. Who uses more?
8. Rajid sells 200 shares at £2.25 each. He has to pay a $2\frac{1}{2}\%$ fee and 20% VAT. How much money should he receive?