

Q1. (2017)

Alternative method 1		
4 × 15 or 60 or 2 × 10 or 20 or 80	M1	oe
$\frac{10}{100} \times \text{their 80 or 8}$ or 1.1 and working for first M1 seen	M1dep	oe $\frac{10}{100} \times \text{their 60 or 6 or 66}$ or $\frac{10}{100} \times \text{their 20 or 2 or 22}$
their 80 + their 8 or 1.1 × their 80 or 88	M1dep	oe their 60 + their 6 + their 20 + their 2 or 1.1 × their 60 + 1.1 × their 20 or their 66 + their 22
0.03 × their 88 or 2.64 or their 88 × 1.03	M1dep	oe
90.64(p)	A1	

Q2. (2017)

Alternative method 1 – price for 8 bottles		
Any two (including at least one combination) of Single shops Method to work out cost using one shop Shop A $3 \times 1 + 5 \times 0.5$ or 5.5 or $4 \times 1 + 4 \times 0.5$ or 6 or Shop B $4 \times 1 + 4 \times 0.5$ or 6 or $5 \times 1 + 3 \times 0.5$ or 6.5 or Shop C 8×0.7 or 5.6 Combinations Method to work out cost using two shops A and B $(1 + 2 \times 0.5) + (2 \times 1 + 3 \times 0.5)$ or 5.5 or B and C $(2 \times 1 + 3 \times 0.5) + (3 \times 0.7)$ or 5.6 or A and C $(2 \times 1 + 4 \times 0.5) + (2 \times 0.7)$ or 5.4 or $(1 \times 1 + 2 \times 0.5) + (5 \times 0.7)$ or 5.5	M2	oe Values may be in £ throughout M1 for any one single shop or combination
6 bottles from A and 2 bottles from C with M2 awarded	A1	Condone 2 from A and 2 from C with M2 awarded SC2 6 bottles from A and 2 bottles from C with M1M0 awarded SC1 6 bottles from A and 2 bottles from C with M0M0 awarded

Q3. (2018)

	Alternative method 1		
	$\frac{6}{5}$ or $\frac{3}{4}$	M1	oe fractions, decimals or percentages, but not $\frac{6}{5}$ as a mixed number
	$\frac{6}{5} \times \frac{3}{4}$ or $\frac{18}{20}$ or $\frac{9}{10}$ or 0.9 or 90% or 0.1 or 10%	M1dep	oe fractions or decimals, but not $\frac{6}{5}$ as a mixed number
	$\frac{1}{10}$	A1	oe fraction
	Alternative method 2		
23	Chooses value for price and increases by $\frac{1}{5}$ or chooses number of laptops and decreases by $\frac{1}{4}$	M1	correct method or value for either eg (£)5 and (£)6 or 20 (laptops) and 15 (laptops)
	Chooses value for price and increases by $\frac{1}{5}$ and chooses number of laptops and decreases by $\frac{1}{4}$ and $\frac{\text{reduced income}}{\text{original income}} (\times 100)$ or $\frac{\text{reduction}}{\text{original}} (\times 100)$	M1dep	correct method or values eg $\frac{6 \times 15}{5 \times 20} (\times 100)$ or $\frac{5 \times 20 - 6 \times 15}{5 \times 20} (\times 100)$
	$\frac{1}{10}$	A1	oe fraction
	Additional Guidance		
	For full marks, accept a fraction equivalent to $\frac{1}{10}$ incorrectly simplified, but not converted to a decimal or percentage	M1M1A1 M1M1A0	
If both methods tried and answer incorrect, award better method mark			
Accept variables in any working for M1M1			

Q4. (2019)

7	Alternative method 1		
	$3 \div \frac{20}{100}$ or 3×5 or 15 or 3×6	M1	oe
	18	A1	
	Alternative method 2		
	$1.2x = x + 3$	M1	oe equation
	18	A1	
	Additional Guidance		
	Trial and improvement scores 0 or 2 unless M1 can be awarded for 15		
	15 seen scores M1		