

Q1. (2018)

14(a)	2950.2745(00...)	B1	
	Additional Guidance		
	2'950.2745 or 2,950.2745		B1
	2.950.2745		B0
	Allow correct rounding or truncation once full value seen		

Q2. (2019)

6(a)	494.325 or $\frac{19\ 773}{40}$ or $494\frac{13}{40}$ or 40.96 or $\frac{1024}{25}$ or $40\frac{24}{25}$ or 535.29 or 535.3 or $\frac{107\ 057}{200}$ or $535\frac{57}{200}$	M1	
	535.285	A1	
	Additional Guidance		
	Ignore any subsequent truncation or rounding if 535.285 seen in working		M1A1

Q3. (2022)

Q	Answer	Mark	Comments
6	Cost of 5 litres of cleaning fluid $2 \times 18 + 10$ or $36 + 10$ or 46 or $18 + 3 \times 10$ or $18 + 30$ or 48 or 5×10 or 50	M1	oe cost of 2×2 litres + 1×1 litre or cost of 1×2 litres + 3×1 litre or cost of 5×1 litre
	Cost of machine plus 5 litres of cleaning fluid $25 + 2 \times 18 + 10$ or $25 + 18 + 3 \times 10$ or 73 or $25 + 5 \times 10$ or 75	M1dep	oe
	71(.00p)	A1	SC1 70(.00p)
	Additional Guidance		
	Up to M2 may be awarded for correct work with no, or incorrect answer, even if this is seen amongst multiple attempts		
	Special case is for the correct total from using 2.5 bottles at £18		

Q4. (2022)

Q	Answer	Mark	Comments
23	Alternative method 1 Words per minute or words per second		
	$416 \div 8$ or 52	M1	oe eg $416 \div (8 \times 60)$ or $416 \div 480$ or $\frac{13}{15}$ or [0.86, 0.87] or 0.9
	$1534 \div \text{their } 52$ or $(1534 - 416) \div \text{their } 52 + 8$ or 29.5	M1dep	oe eg $1534 \div \text{their } [0.86, 0.87]$ or $(1534 - 416) \div \text{their } [0.86, 0.87] + 8 \times 60$ or 1770
	29 minutes 30 seconds	A1	SC2 29 minutes 50 seconds or 29 minutes 5 seconds
	Alternative method 2 Minutes per word or seconds per word		
	$8 \div 416$ or $\frac{1}{52}$ or [0.019, 0.019231] or 0.02	M1	oe eg $8 \times 60 \div 416$ or $480 \div 416$ or $\frac{15}{13}$ or [1.15, 1.154] or 1.2
	$1534 \times \text{their } [0.019, 0.019231]$ or $(1534 - 416) \times \text{their } [0.019, 0.019231] + 8$ or 29.5	M1dep	oe eg $1534 \times \text{their } [1.15, 1.154]$ or $(1534 - 416) \times \text{their } [1.15, 1.154] + 8 \times 60$ or 1770
	29 minutes 30 seconds	A1	SC2 29 minutes 50 seconds or 29 minutes 5 seconds

23 cont	Alternative method 3 Essay words ÷ report words		
	1534 ÷ 416 or $\frac{59}{16}$ or [3.68, 3.69] or 3.7 or (1534 – 416) ÷ 416 or [2.68, 2.69] or 2.7	M1	oe
	8 × their [3.68, 3.69] or 8 × their [2.68, 2.69] + 8 or 29.5	M1dep	oe eg 8 × 60 × their [3.68, 3.69] or 8 × 60 × their [2.68, 2.69] + 8 × 60 or 1770
	29 minutes 30 seconds	A1	SC2 29 minutes 50 seconds or 29 minutes 5 seconds
	Additional Guidance		
	M1 may be awarded for correct work with no, or incorrect answer, even if this is seen amongst multiple attempts		
	Answer 29.5 minutes 1770 seconds	M1M1A0	
	Build-up method must be a fully correct method that would lead to 29.5		
	If working with report words ÷ essay words apply the principles of Alt 3		