

Section A

1	(a) Ring $6x$ and $-4x$ (b) (i) $10a$ (ii) $2x + 6y$	W1 W1 W2	only two ringed fao(accept equiv. expressions) W1 for either term SC1 for $2x - 6y$ or $8x - 6y$
2	$4.5 - 5$ or $4\frac{1}{2}$ seen $45 - 50$	M1 A1	($4.55 \text{ l} = 1 \text{ gallon}$) should follow from value used as conversion
3	(a)(i) 64 (ii) 10^4 (b) 100 or 8 seen 800	W1 W1 M1 A1	 W2 for 800
4	$\frac{9}{25}$ 0.375 50% 0.75	W3	W2 for three in the correct order W2 for complete reversal W1 for one correct conversion to decimal or % seen eg $50\% = 0.5(0)$ or $\frac{9}{25} = 0.36$
5	(a) (i) $(0)20^\circ$ (ii) 4(cm) seen 16 (b) correct angle ($\pm 2^\circ$) correct distance ($\pm 2\text{mm}$)	M1 M1 A1 W1 W1	allow $(0)18^\circ - (0)22^\circ$ allow 3.8 – 4.2 allow 15.2 – 16.8 W2 for 15.2 – 16.8
6	any correct method 41	M1 A1	$2n+1$ or $2 \times (20-3) + 7$ or multiple additions(+2) <i>condone two errors</i> W2 for 41
7	$\frac{3}{6}$ in working $\frac{2}{6}$ or $\frac{1}{3}$	M1 A1	not final answer isw after $\frac{2}{6}$ seen W2 for answer of $\frac{2}{6}$ or $\frac{1}{3}$
8	20 or 50 seen 9.40, 9.60, 9.80, 10 [$20 \times (47-50)$] or 9, 9.50, 10 [$50 \times (18-20)$] statement about “rounding up” or “figure achieved is less than £10”	M1 M1 A1	allow any correct argument dep. on previous M, has to be a reasonable attempt and ≤ 10 condone 9.5 dep. on first M1 SC2 for “it is about $45 \times 20 = 900\text{p}$ or £9”

Section A: 25 marks