ELTHAM COLLEGE

13+ Examination Sample Solutions

Question	Solution	Notes
1a	5 ¼	
1b	12	
1c	4000	Estimation is 20×200
2	X = 46°	Angle PTR = 146°
3	104	8 × 10 + 24
4	L = 25, H = 27	
5a	6	
5b	44	
5c	12	33 ÷ 11 × 4
6a	2 × 2 × 3 × 3 × 5	
6b	6 and 30 or 24 and 30	
7	-5, 5^{-1}, 0.5, 5^{0}	
8a	18	0.3 × 60
8b	5	
8c	25	4 + 3 × 7 = 4 + 21
9a	30	6 × 21 = 126, 3 × 32 = 96
9b	CF, CE, CT LF, LE, LT	
10	12 boxes of bookmarks 8 boxes of dust covers	12 × 24 = 288 8 × 36 = 288
11	YES! It will cost £93	Area = $2.2 \times 3 + \frac{(1+3)}{2} \times 1.2 = 9$ 9 ÷ 2 = 4.5 so 5 boxes are required 5 × 24.80 = 144 124 × 0.75 = 93
12	X = 9	$15 \times 8 + (15 - x) \times 3 = 138$ $120 + (15 - x) \times 3 = 138$ $(15 - x) \times 3 = 18$ $15 - x = 6$ $15 - 6 = x$