



# 13+ Examination Sample Solutions

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