Topic Test 1 Mark Scheme
Calculating with percentages - Higher

Q	Answer	Mark	Comments
1	1.15	B1	
2	The final cost of the console is less than the original cost	B1	
3	23.55×1.028 or 0.028×23.55 or 0.6594 or 0.66	M1	oe
	24.21 or 24.20	A1	Do not accept 24.209..
4	$(400 +) 5 \times (400 \times 0.036)$ or 14.4	M1	oe
	472	A1	
5	$0.45 \div 1.8$ or $\dfrac{(2.25 - 1.8)}{1.8}$ or 2.25	M1	
	25	A1	
6(a)	290×0.7 or 203	M1	oe
	their 203×0.8	M1dep	
	162.40	A1	Do not accept 162.4
6(b)	0.7×0.8 or their $162.4 \div 290$ or 0.56 or 56	M1	
	44	A1ft	ft their $162.4 \div 290$

Q	Answer	Mark	Comments
7	**Alternative method 1**		
	1.12 seen	B1	
	190.40 ÷ 1.12	M1	
	170	A1	
	Alternative method 2		
	112 % = 190.4	M1	
	1% = 190.4 ÷ 112	M1dep	
	170	A1	

Q	Answer	Mark	Comments
8(a)	270 ÷ 2.25 or 120 or $x + x + 0.25x = 270$	M1	oe
	150	A1	
8(b)	$0.4 \times$ their 150 + $0.3 \times$ (270 – their 150) or 60 + 36 or 96	M1	oe
	[35, 36]	A1ft	