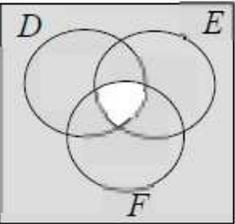
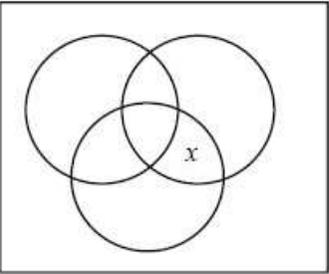
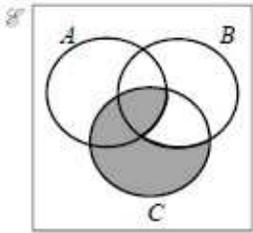


Question	Answer	Marks	AO Element	Notes	Guidance
1	5 : 4 : 2	2		B1 for any correct partial simplification of the ratio	
2	152 190 266	3		Accept in any order B2 for two correct answers or M1 for $\frac{608}{4 + 5 + 7} \times k$ oe where $k = 1, 4, 5, 7$	
3	6540	1			
4	8.678	2		M1 for $\frac{512}{59}$ or $8 \frac{40}{59}$ or 8.68 or 8.67 or 8.677...	
5	3, 80, 30 and 10 seen and answer 12	2		M1 for 3 out of 4 correct elements or for all correct but with any trailing zeros If 0 scored SC1 for answer 12	
6	632.8 cao	1			

Question	Answer	Marks	AO Element	Notes	Guidance
7	1071 cao	2		<p>M1 for $7560 \div 7.06$</p> <p>If zero scored, SC1 for <i>their</i> decimal answer correctly rounded to the nearest dollar</p>	
8	6320.4[0]	1			
9	162.07 cao	2		M1 for $190 \div 1.1723$	
10		1			
11		1		Shade whole rectangle except for region containing x	

Question	Answer	Marks	AO Element	Notes	Guidance
12		1			
13	2.6[0] or 2.600...	3		<p>M2 for</p> $\sqrt[10]{\frac{1328.54 + 4540}{4540}}$ <p>or M1 for</p> $4540 \times k^{10} = 1328.54 + 4540$ <p>for any k</p> <p>If 0 scored SC1 for answer -11.6 or -11.56...</p>	
14	103.32 cao	2		<p>M1 for</p> $126 \times \left(1 - \frac{18}{100}\right) \text{ oe}$ <p>or B1 for 22.68</p>	

Question	Answer	Marks	AO Element	Notes	Guidance
15	2.4	3		<p>B2 for 0.024 seen</p> <p>or M2 for one of, oe or better</p> $17\,920 - 16\,000 = \frac{r}{[100]} \times 5 \times 16\,000$ <p>or</p> $17\,920 = 16\,000 \times (1 + 5r) [\times 100]$ <p>or M1 for any of these, oe or better</p> $17\,920 - 16\,000 \text{ or } \frac{r}{[100]} \times 5 \times 16\,000$ <p>or $\frac{\textit{their}1920}{16\,000} [\times 100]$</p> <p>or</p> $\frac{17\,920 [\times 100]}{16\,000} - 1 [00]$ <p>or $\frac{\textit{their}1920}{5} [\times 100]$</p> <p>or figs 384</p>	
16	44.4 or 44.37...	1			

Question	Answer	Marks	AO Element	Notes	Guidance
17	578 cao	2		M1 for $8500 \times \frac{1.7}{100}$ [$\times 4$] or B1 for final answer of 9078	
18	68	2		M1 for $\frac{4.2 - 2.5}{2.5}$ [$\times 100$] oe or $\frac{4.2}{2.5} \times 100$ [-100] oe or $\left(\frac{4.2}{2.5} - 1\right)$ [$\times 100$] oe	
19	$\frac{9}{25}$ oe	1			
20	$\frac{4}{7}$ oe exact answer	2		B1 for 4 or $\frac{1}{7}$	
21	-12	2		B1 for 2^3 , 2^{-3} , 2^{12} or 2^{-12}	
					[Total: 37]