Ratio (Foundation) Mark Scheme		
1(a)	49.5	[1]
1(b)	350 grams	[1]
1(c)	28	[1]
2(a)	$y = 119$	[1] Multiplying by the ratio $\frac{7}{3}$ from the table
	$x = 57$	[1] Dividing by the ratio $\frac{7}{3}$ from the table
2(b)	$(\div 4) \quad 12 : 28 \quad (\div 4)$	[1] Dividing both sides by 4 (accept any pair of x, y values)
	$3 : 7$	[1] Fully simplified final answer
3(a)	ratio has 5 parts: $200 \div 5 = 40$	[1] Correct calculation
	Ratio is $40 : 160$	[1] 40 winning & 160 participation medals
3(b)	ratio has 5 parts: $240 \div 5 = 48$	[1] Correct calculation
	Ratio is $48 :\ 192$	[1] 48 winning & 192 participation medals
4	Let Alisha $= a$; Terry $= \frac{1}{2}a$; Ella $= \frac{1}{3}a$	[1] Correctly identify comparative distances
	Ratio is $6 : 3 : 2$	[1] Find integer ratio between the three runners
	Ratio is $96\text{ km} : 48\text{ km} : 32\text{ km}$	[1] Find one unit $\left(\frac{176}{11} = 16\right)$ and multiply in the ratio found prior.
5	$8 : 1 \ = \ 32 : 4$	[1] Correctly scaled ratio
	$32 \times 2500 \ = \ 80\,000; \quad 4 \times 8200 \ = \ 32\,800$	[1] Correct calculations
	$80\,000 + 32\,800 = £112\,800$	[1] Correct summation of the two costs
6	$£20 :\ £35 :\ £25$	[1] Identify one unit as £5
	Anne, Mark, Ben get $4 :\ 7 :\ 5$ respectively	[1] Correct ratio
7	$1 :\ 2 :\ 3$ $(1 + 2 + 3 = 6)$ $\frac{210}{6} \ = \ 35$	[1] Identify one unit as 35 cakes
	Hence a, b, c get $\ 35 : 70 : 105$	[1] Correct ratio
8(a)	Ratio S : R : M is $2 :\ 1 :\ 3$	[1] Finding ratio
	Sally $= £20$, Rob $= \ £10$, Malik $= \ £30$	[1] Correct distribution of money
8(b)	Each would get half their original amount	[1] Correct statement
	Sally = £10, Rob = £5, Malik = £15	[1] New amount each of them receives

9(a)	$\frac{1}{2}$	[1] Correct statement
9(b)	4 out of 24 of the staff are women below 18	[1] Correct statement
	Which is $1:6$	[1] Correct ratio in its simplest form

END