

Ratio - Foundation Level (3-5) 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 $7/3$ from the table
	$x = 57$	[1] Dividing by the ratio $7/3$ from the table
2(b)	$(\div 4) \quad 12 : 28 \quad (\div 4)$	[1] Dividing both sides by 4
	$3 : 7$	[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 ($176/11 = 16$) and multiply in the ratio found prior.
5	$8 : 1 = 32 : 4$	[1] Correctly scaled ratio
	$32 \times 2500 = 80\,000$; $4 \times 8200 = 32\,800$	[1] Correct calculations
	$80\,000 + 32\,800 = \text{£}112\,800$	[1] Correct summation of the two costs
6	$\text{£}20 : \text{£}35 : \text{£}25$	[1] Identify one unit as $\text{£}5$
	<i>Anne, Mark, Ben get $4 : 7 : 5$ respectively</i>	[1] Correct ratio

Turn over ►

7	$1 : 2 : 3, (1 + 2 + 3 = 6), 210/6 = 35$	[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 girls	[1] Correct statement
	Which is $1 : 6$	[1] Correct ratio in its simplest form

END