

Topic Test 1 Mark Scheme

Equations - Foundation

Q	Answer	Mark	Comments
1(a)	50	B1	
1(b)	$(2y =) 18 + 9$ or 27	M1	
	$\frac{27}{2}$ or $13\frac{1}{2}$ or 13.5	A1	
1(c)	$4w + 6w$ or $10w$ or $20 - 3$ or 23	M1	
	$10w = 23$	A1	
	$\frac{23}{10}$ or $2\frac{3}{10}$ or 2.3	A1ft	ft on one error
2(a)	34×2 or 68	M1	
	78	A1	SC2 for 88
2(b)	Alternative method 1		
	Any correct trial for £[1, 100]	M1	eg $2 \times 1 + 5 = 7$
	100	A1	
	Alternative method 2		
	Any correct trial for subtracting bonus and dividing by 2	M1	eg $220 - 10 = 210$ $210 \div 2 = 105$
	100	A1	
3	3	B1	
	6	B1	
	11	B1	

4	$x + 24$ or $24 \div 2$ or 12 or 59×2 or 118	M1	Tries two numbers with a difference of 24 or tries two numbers with a sum of 118
	$x + x + 24$ or $x + 12$ or $59 - 12$ or $59 + 12$ or $118 - 24$ or 94 or $118 + 24$ or 142	M1	oe Different trial
	$x + x + 24 = 118$ or $x + 12 = 59$ or $59 - 12$ and $59 + 12$ or their $94 \div 2$ or their $142 \div 2$	M1	oe 3 rd trial
	Gas = 47 Electricity = 71	A1	