


# Topic Test 1 Mark Scheme

## Inequalities - Foundation

Q	Answer	Mark	Comments
1	3	B1	
2	$2 < x \leq 6$	B1	
3	4	B1	
4	$4x > 16$	M1	
	$x > 4$	A1	
5	$5x \leq 1$	M1	
	$x \leq \frac{1}{5}$	A1	
6(a)	$-5 - 1 \leq 3x < 13 - 1$	M1	
	$-2 \leq x < 4$	A1	
6(b)		B1ft	ft their answer in part a
7	$2x + x \leq 12 - 5$	M1	
	$x \leq \frac{7}{3}$	A1	oe

Q	Answer	Mark	Comments
8	$5x - 15$	B1	
	their $5x - 2x > 5 +$ their 15	M1	
	$x > \frac{20}{3}$	A1ft	oe ft their $5x - 15$
9	3, 4, 5 and 6	B2	B1 for 3 correct B1 for one additional number
10	$0.8n > 5 + 12$ or 17	M1	
	$n > 21.25$	M1dep	
	22	A1	