

# Topic Test 1 Mark Scheme

## Real life graphs - Higher

Q	Answer	Mark	Comments
1(a)	7.5	B1	
1(b)	37.5	B1	
1(c)	$l = w$ drawn or $\sqrt{37.5}$	M1	
	[6, 6.3]	A1	
2(a)	There is a fixed price for a range or masses	B1	oe
2(b)	4.10 with 490g (125+125+240) and 725g (600 + 125) shown	B3	B2 for any total cost that would allow 1215 grams to be sent with breakdown shown eg £4.56 with 975 (125 +125 + 125 + 600) and 240 B1 for 1215
3	B F A C	B3	B2 for 3 correct B1 for 2 correct
4(a)	Speed	B1	
4(b)	Metres per minute	B1	
5(a)	0.25	B1	
5(b)	Cost of fixing each tile	B1	
5(c)	Fixed cost or call out charge	B1	

Q	Answer	Mark	Comments
6	\$8.10	B1	
	3 US gal = 2.5 UK gal = 11.5l	B1	
	[£13.65, £13.70]	B1	
	[2.6, 2.65]	B1	