

# Topic Test 1 Mark Scheme

## Perimeter and area - Foundation

Q	Answer	Mark	Comments
1	$14 \times 3$ or 42	M1	oe
	their $42 \div 4$	M1	
	10.5	A1	
2	$12 - 8$ or 4 or $11 - 6$ or 5	M1	oe
	One correct relevant area $6 \times 12$ or 72 $8 \times$ their 5 or 40 $6 \times$ their 4 or 24 $8 \times 11$ or 88 $12 \times 11$ or 132 their $4 \times$ their 5 or 20	M1	oe
	A complete 'set' of areas that would combine to give total area $6 \times 12$ and $8 \times$ their 5 or $6 \times$ their 4 and $8 \times 11$ or $12 \times 11$ and their $4 \times$ their 5	M1dep	oe $72 (+) 40$ or $24 (+) 88$ or $132 (-) 20$
	112	A1	

Q	Answer	Mark	Comments
3(a)	$(32 - 20) \div 2$ or 6 or $32 - 20$ or 12	M1	
	24 + their 6 + their 6 or 24 + their 12	M1dep	
	36	A1	
3(b)	<b>Alternative method 1</b>		
	their $36 \times 32$ or 1152 or $24 \times 20$ or 480	M1	
	their $36 \times 32 - 24 \times 20$	M1	1152 – 480
	672	A1	
	<b>Alternative method 2</b>		
	their $6 \times 32$ or 192 or their $6 \times 24$ or 144 or their $6 \times 20$ or 120 or their $6 \times$ their 36 or 216	M1	
	$(\text{their } 6 \times 32 + \text{their } 6 \times 24) \times 2$ or $(\text{their } 6 \times 20 + \text{their } 6 \times \text{their } 36) \times 2$	M1	$(192 + 144) \times 2$ or $(120 + 216) \times 2$
	672	A1	

<b>Q</b>	<b>Answer</b>	<b>Mark</b>	<b>Comments</b>
<b>4</b>	$0.5 \times 4 \times (5 + 11)$ or 32	M1	oe
	(their $32 \div 4$ ) = 3.2x or (their $32 \div 4$ ) $\div$ 3.2	M1	oe
	2.5	A1	
<b>5a</b>	6	B1	
<b>5b</b>	8		
<b>6</b>	$4 \times (2.5 + 1.5 + 3)$	M1	oe
	28	A1	