

Topic Test 1 Mark Scheme

Perimeter and area - Foundation

Q	Answer	Mark	Comments
1	14×3 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 6×12 or 72 $8 \times$ their 5 or 40 $6 \times$ their 4 or 24 8×11 or 88 12×11 or 132 their $4 \times$ their 5 or 20	M1	oe
	A complete 'set' of areas that would combine to give total area 6×12 and $8 \times$ their 5 or $6 \times$ their 4 and 8×11 or 12×11 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) ÷ 2 or 6 or 32 – 20 or 12	M1	
	24 + their 6 + their 6 or 24 + their 12	M1dep	
	36	A1	
3(b)	Alternative method 1		
	their 36 × 32 or 1152 or 24 × 20 or 480	M1	
	their 36 × 32 – 24 × 20	M1	1152 – 480
	672	A1	
	Alternative method 2		
	their 6 × 32 or 192 or their 6 × 24 or 144 or their 6 × 20 or 120 or their 6 × their 36 or 216	M1	
	(their 6 × 32 + their 6 × 24) × 2 or (their 6 × 20 + their 6 × their 36) × 2	M1	(192 + 144) × 2 or (120 + 216) × 2
	672	A1	

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