Quest	tion	Answer	Mark	Mark scheme	Additional guidance
3	(a)	Yes	P1	for a process to find the area of one shape,	Do not award this mark if they go on to
		(supported)		eg $10 \times 8 (= 80)$ or $10 \times 5 (= 50)$ or $8 \times 6 (= 48)$	multiply by a third length
				or $(10-6) \times 5 (= 20)$ or $(10-6) \times (8-5) (= 12)$	
				or $6 \times (8-5) (= 18)$ or $5 \times 6 (= 30)$	
			P1	for a complete process to find the total area,	
				eg " 80 " – " 12 " (= 68) or " 50 " + " 18 " (= 68) or " 48 " + " 20 " (= 68)	
			P1	for a complete process to find the area covered by 3 tins	
				eg $3 \times 2.5 \times 10$ (= 75)	
				or for a complete process to find the number of litres needed	[area] is what they believe to be the area
				eg "68" ÷ 10 (= 6.8) or [area] ÷ 10	
				or for a complete process to find the number of tins needed	
				eg "68" \div 10 \div 2.5 (= 2.72) or [area] \div 10 \div 2.5	
			A1	for 'Yes' supported by correct figures	Ignore incorrect amount of paint left over if
				eg $68 (m^2)$ and $75 (m^2)$	correct figures seen
				or 6.8 (litres) and 7.5 (litres)	
				or $68 \text{ (m}^2)$ and 2.72 (tins needed)	
	(b)	No effect (supported)	C1	ft from (a) for "has no effect" with reason	Must have a decision in (a)
				Acceptable examples	Must include a decision eg yes / no / no effect
				No effect, she will need less paint	If figures included in the statement they must
				It won't change, she will still have enough	be correct for their [area] in (a)
				No, she will have more paint left over	
				No, as this will cover 82.5m ²	
				Not acceptable examples	
				Petra will need less paint	
				She will have more paint left over	
				She won't have enough paint	
				She will need more paint	