

Question	Answer	Mark	Mark scheme	Additional guidance
23 (a)	No (supported)	P1	for a process to find the area to be painted, eg $3.3 \times 10 - 2 \times 1.5 (= 30)$	
		P1	for a process using the paint coverage information, [area] $\div 10 (= 3)$	May occur later in the process Can be implied by 4th P mark [area] is what they believe to be the area
		P1	for a process using the ratio, eg [area] $\div (1+4) \times 1 (= 6)$ or [area] $\div (1+4) \times 4 (= 24)$ or [area] $\div 10 \div (1+4) \times 1 (= 0.6)$ or [area] $\div 10 \div (1+4) \times 4 (= 2.4)$	
		P1	(dep on 3rd P1) for a process to find the cost of the yellow paint and the cost of the blue paint, eg [yellow tins] $\times 4.75 (= 4.75)$ and [blue tins] $\times 5.50 (= 16.50)$	[yellow tins] and [blue tins] are the whole numbers of tins required for their 0.6 and 2.4 or for their 6 and 24
		A1	(dep P4) for no and a total cost of (£)21.25 from correct values SCB2 for area of 30 (m ²) and total cost of (£)26.75	SCB2 does not require final decision
(b)	Explanation	C1	ft from (a) for explanation explanation, eg it may change as he may need fewer tins of paint. Acceptable examples We can't tell, it depends how much more it will cover. He may be able to afford it as he will need less paint. Not acceptable examples He still can't afford the paint. It might mean he has enough money. He will be able to afford it as he will need less paint. He might have to buy less paint.	Must have a decision in (a). If decision in (a) is 'yes' then C1ft for eg 'Zac will still have enough money for the paint he needs as he needs less paint' Two parts are needed – an indication of how the answer might be affected (eg he may be able to afford it) and a reason (eg as he will need less paint).