Question	Answer	Mark	Mark scheme	Additional guidance
21	2.5	P1	for forming an equation using the volume,	Can use any variables for height and width
			eg $20wh = 300$ or $wh = 15$ oe	
			or for 300 ÷ 20 (= 15)	
		P1	for forming an equation using the surface area,	
			eg $20w + 20w + 20h + 20h + hw + hw = 370$ oe or $20w + 20w + 20h + 20h + 30 = 370$ oe	Use of 30 in this equation implies 1st P1
		P1	for eliminating one variable,	
			eg $40h + \frac{600}{h} + 30 = 370$ or $40h^2 - 340h + 600 (= 0)$	
			or $2h^2 - 17h + 30 (= 0)$	
		P1	for process to solve quadratic equation,	Award P4 for answer of 6 if 2.5 and 6 identified
			eg $(2h-5)(h-6) (=0)$	volume and surface area
			or $\frac{17 \pm \sqrt{(-17)^2 - 4 \times 2 \times 30}}{2 \times 2}$	
		A1	for 2.5 oe	Do not award A1 for 2.5 if it is not supported by working that involves both volume and surface area