

Q1 June 2024

20	16.2	M1	for a correct first step to find BC , eg $19^2 = 10^2 + BC^2$ or $19^2 - 10^2 (= 261)$ or $\sqrt{19^2 - 10^2}$ or $\sqrt{261}$ or $3\sqrt{29}$	Can use alternative letter for BC provided intention is clear If using an alternative method using trigonometry must have BC as the only unknown
		A1	for answer in the range 16.1 to 16.2	ISW incorrect rounding if answer given in range

Q2 Nov 2021

25	41.6	P1	for start of process to find the length of the hypotenuse, eg ($\text{hyp}^2 = 8^2 + 10^2 (= 164)$)	Note lengths may be seen on the diagram
		P1	for complete process to find hypotenuse, eg $\sqrt{8^2 + 10^2}$ or $\sqrt{64 + 100}$ or $2\sqrt{41}$ or $\sqrt{164}$ ($= 12.8\dots$)	
		P1	(dep P2) for complete process to find the required perimeter, eg $8 + 8 + 10 + "12.8" + "12.8 - 10"$ or $16 + 4\sqrt{41}$	$8 + 8 + "12.8" + "12.8"$ oe is acceptable for this mark
		A1	for answer in the range 41 to 42	If an answer in the range 41 to 42 is given in the working space then incorrectly rounded, award full marks.