| | | | | |
|---|---|---|---|---|
| **21** | 28.35 or 28.45 or 16.5 or 17.5 or 87.5 or 92.5 | | 3 | B1<br>Accept<br>$28.44\dot{9}$ for 28.45<br>$17.4\dot{9}$ for 17.5 |
| | $(T =)\frac{28.45^2 + 17.5^2}{87.5}$ (= 12.75031429) | | | M1 for substituting the correct bounds into the formula for $T$<br>$(T =)\frac{UB_x^{\ 2} + UB_y^{\ 2}}{LB_w}$ where<br><br>$28.4 < UB_x \leq 28.45$<br>$17 < UB_x \leq 17.5$<br>$87.5 \leq LB_w < 90$ |
| | *Working required* | 12.8 | | A1 awrt 12.8 dep on M1<br>Answer must come from correct figures (28.45, 17.5 and 87.5) |
| | | | | **Total 3 marks** |