| 1 | $6.365 \leqslant x < 6.375$ | B1 | |
|---|---|---|---|

| Q | Answer | Mark | Comments |
|---|---|---|---|
| **2(a)** | 8 or 10 | M1 | 8 may be implied by $2^2$ or 4 |
| | 8 and 10 <br> and <br> $\dfrac{1}{40}$ or 0.025 | A1 | 8 may be implied by $2^2$ or 4 <br><br> accept 0.03 with $\dfrac{1}{40}$ or 0.025 seen |

| **Additional Guidance** | |
|---|---|
| Do not allow exact calculations for M1A1 <br><br> eg $4.113 = 4$ and $10.21 = 10$ and $\dfrac{1}{40}$ | M1A0 |
| $\dfrac{1}{40}$ or 0.025 with 8 or 10 seen (8 may be implied by $2^2$ or 4) | M1A0 |
| $\dfrac{1}{40}$ or 0.025 without 8 or 10 seen (8 may be implied by $2^2$ or 4) | M0A0 |

| Q | Answer | Mark | Comments |
|---|--------|------|----------|
| 2(b) | Valid explanation | B1 | eg both numbers have been rounded down |
| | **Additional Guidance** | | |
| | Ignore irrelevant reasons alongside a correct reason, unless contradictory | | |
| | Ignore a calculation using exact values alongside a correct reason<br>eg 0.025 is greater than 0.0238… and both numbers rounded down | B1 | |
| | 0.025 is greater than 0.0238… | B0 | |
| | The denominator is smaller | B1 | |
| | The denominator using the exact values is bigger | B1 | |
| | (Decimals) rounded down | B1 | |
| | Because 8.34 is more than 8 and 10.21 is more than 10 | B1 | |
| | One is divided by less (with answer more) | B1 | |
| | Estimating rounds the numbers down which makes the denominator less | B1 | |
| | Estimating rounds the numbers down which makes it less | B0 | |
| | Because it rounds up | B0 | |
| | Because she rounded each number to one significant figure | B0 | |
| | The numbers get rounded up so more than the exact value | B0 | |
| | Rounded up when estimating | B0 | |
| | Removing the decimals makes the number bigger | B0 | |