**BOUND**

**Pearson Edexcel - Thursday 9 June 2016 - Paper 2 (Calculator) Higher Tier**

**1.**

| 21 | | | 29.25 | 3 | B1 for one of 14.5, 13.5, 8.75, 8.65 |
|---|---|---|---|---|---|
| | | | | | M1 for $"v_{UB}" - "u_{LB}"$ where $14 < "v_{UB}" \le 14.5$ and $8.65 \le "u_{LB}" < 8.7$ A1 for 29.25 from correct working |

**Pearson Edexcel - Friday 6 November 2015 - Paper 2 (Calculator) Higher Tier**

**2.**

| 19 | (a) | | 4.25 | 1 | B1 cao |
|---|---|---|---|---|---|
| | (b) | | 7.20-7.21 | 3 | B1 4.35 or 0.35 M1 for $4.35 + \dfrac{1}{0.35}$ A1 7.2(0)-7.21 or $\dfrac{1009}{140}$ from a correct method seen |

**Pearson Edexcel - Monday 8 June 2015 - Paper 2 (Calculator) Higher Tier**

**3.**

| 24 | $\dfrac{232.5}{202.5} \times 60$ | 68.9 | 4 | M1 for 232.5 or 237.5 or 197.5(=3.29… hours) or 202.5 (= 3.375 hours) M1 for correct conversion of "upper bound of time" from minutes to hours, (202.5 to 205) ÷ 60 M1 for "lower bound of distance" ÷ "upper bound of time" (230 to 232.5) ÷ (3.375 to 3.41(6…)) A1 for 68.8 to 69 from correct working **OR** M1 for 232.5 or 237.5 or 197.5(=3.29… hours) or 202.5 (= 3.375 hours) M1 for "lower bound of distance" ÷ "upper bound of time" (230 to 232.5) ÷ (202.5 to 205) M1 for correct conversion of "lower bound of speed" from miles per minute to miles per hour, ((1.12(1…) to 1.14(8…)) × 60 A1 for 68.8 to 69 from correct working |
|---|---|---|---|---|

**Pearson Edexcel - Friday 14 June 2013 - Paper 2 (Calculator) Higher Tier**

**4.**

| 23 | *d*: UB = 54.5 (or 54.499), LB = 53.5 *C*: UB = 170.5 (or 170.499), LB = 169.5 170.5 ÷ 53.5 169.5 ÷ 54.5 | 3.19 3.11.. | 4 | B1 for any one correct bound quoted M1 for 170.5 ÷ 53.5 or 169.5 ÷ 54.5 A1 for UB = answer in range 3.18 to 3.19 from correct working A1 for LB = 3.11.. from correct working |
|---|---|---|---|---|

**Pearson Edexcel - Monday 14 November 2011 - Paper 4 (Calculator) Higher Tier**

**5.**

| 25 | 642.5 × 397.5 | 255000 | 3 | B1 for 642.5 or 647.5 or 397.5 or 402.5 seen M1 for $l_{LB} \times w_{LB}$ where $642.5 \le l_{LB} < 645$ and $397.5 \le w_{LB} < 400$ A1 for 255393.75 or 255 000 coming from 255393.75 or from correct method |
|---|---|---|---|---|

**Pearson Edexcel - Friday 10 June 2011 - Paper 4 (Calculator) Higher Tier**

**6.**

| 26 | | LB of 218 = 217.5<br>UB of 12.6 = 12.65<br>217.5 ÷ 12.65 = 17.1936… | 17.1936…. | 3 | B1 for 217.5 or 12.65 or 12.649̇ seen<br>M1 for LB of 218 ÷ UB of 12.6 where $217.5 \leq LB < 218$ and $12.6 < UB \leq 12.65$<br>A1 17.19 – 17.2 |
|---|---|---|---|---|---|

**Pearson Edexcel - Friday 12 November 2010 - Paper 4 (Calculator) Higher Tier**

**7.**

| 24 | $35.5 \times 26.5$ | 940.75 | 3 | B1 for sight of 35.5 or 26.5 or 35.4999(…) or 26.4999(…)<br>M1 for UB length × UB width where<br>$35.49 \leq$ UB length $\leq 35.5$<br>$26.49 \leq$ UB width $\leq 26.5$<br>A1 for 940.74 - 940.75 (or $\frac{3763}{4}$ ) |
|---|---|---|---|---|

**Pearson Edexcel - Friday 11 June 2010 - Paper 4 (Calculator) Higher Tier**

**8.**

| 21 | (a) | | 28.5 | 1 | B1 for 28.5 or 2850 cm or 28.499 or 28.49… or 28.49 recurring oe |
|---|---|---|---|---|---|
| | (b) | $2 \times (147.5 + 28.5)$ | 352 | 3 | B1 for upper bound of length = 147.5 or 14750 cm or 147.49 recurring oe<br>M1 for 2 × ("upper bound width" + "upper bound length") where these are not the given values.<br>A1 cao 351.999-352 |

**9.**