## Non - Calculator

|  | Marking Scheme | Evidence |
| :---: | :---: | :---: |
| 1. | ANS : Elaine has more data <br> - Know how to calculate fraction <br> - Know how to calculate fraction <br> - Conclusion with comparison | - 0.57 or 0.62 <br> - 0.57 or 0.62 <br> - Elaine as 0.62 $>0.57$ |
| 2. | ANS :34.40 euros <br> - Calculate euros at lowest <br> - Calculate euros at highest <br> - Comparison | - $500 \times 1.1949=$ <br> 597.45 <br> - $500 \times 1.2637=$ <br> 631.85 <br> - 631.85-597.45 |
| 3. | ANS: Yes, $0.0625<0.083$ <br> - Calculate gradient <br> - statement | - $0.5 / 8=0.0625$ <br> - Yes as 0.0625 < 0.083 |

## Calculator

| Question | Marking Scheme | Evidence |
| :---: | :---: | :---: |
| 4. | ANS: $£ 117.50$ <br> - Evaluate table <br> - Know to calculate cost of miles <br> - Know to calculate cost of additional miles <br> - Calculate total expenses | - 0.29 <br> - $0.29 \times 250(=$ <br> 72.50) <br> - $0.15 \times 300(=45)$ <br> - $72.50+45=$ <br> 117.50 |
| 5. | ANS : 5 hours <br> - Know how to calculate basic rate <br> - Know to calculate overtime rate <br> - Calculate hours of overtime | - $296 / 40=7.40$ <br> - $7.40 \times 1.5=11.10$ <br> - $55.50 / 11.1=5$ |
| 6.(a) | ANS :20160 <br> - Know how to calculate mean | $\begin{aligned} & \text { - } 8900+12700+ \\ & 59200+10300+ \\ & 9700) / 5=20160 \\ & \hline \end{aligned}$ |
| (b) | ANS: Median with explanation <br> - Decision | - Median because it is closer to the majority of the values or because 59200 makes the mean higher. |
| 7. (a) | ANS :I $\dagger$ is cheapest per Litre <br> - Know to calculate cost per litre <br> - Calculate cost per L of other 2 <br> - Comparison with justification | - $1.995,1.66$ or 1.62 <br> - Other 2 values <br> - Coverlite is the |

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|  |  | cheapest per Litre |
| :---: | :---: | :---: |
| (b) | ANS : Tuffcote is cheapest per $\mathrm{m}^{2}$ <br> - Know to calculate cost per $\mathrm{m}^{2}$ <br> - Calculate other values <br> - Conclusion with justification | - $0.12468,0.118$ or 0.12461 <br> - Other 2 values <br> - Tuffcote is the cheapest per $\mathrm{m}^{2}$ so best value. |
| 8. | ANS: No, $77.5 \mathrm{~kg}>73 \mathrm{~kg}$ <br> - Know to decrease by 6\% <br> - Calculate weight after decrease <br> - Conclusion with justification | - 0.94 <br> - $95 \times(0.94)^{5}=$ 77.5 <br> - No as he will be over his target weight, 77.5 > 73 |

