## Detailed Marking Instructions for each question



| Question |  | Expected Answer(s) Give one mark for each • | Max Mark | Illustrations of evidence for awarding a mark at each • |
| :---: | :---: | :---: | :---: | :---: |
|  | (b) | Ans: $21 \mathrm{~m}^{2}$ <br> - ${ }^{1}$ Strategy: know to find areas of two triangles and add <br> - ${ }^{2}$ Process/Communication: calculate areas and add, stating units | 2 | - ${ }^{1}$ Evidence $\bullet^{2} 6+15=21$ |
| Notes: <br> 1. If $6 \mathrm{~m}^{2}$ and $15 \mathrm{~m}^{2}$ are clearly shown, but not added, award $1 / 2$ |  |  |  |  |
| 4. | (a) | Ans: £259 <br> - ${ }^{1}$ Process: calculate take home pay in $£$ | 1 | ${ }^{1}$ 1296-(28.43-8.57) $=259$ |
| Notes: |  |  |  |  |
|  | (b) | Ans: yes with reason <br> - ${ }^{1}$ Strategy/Process: calculate holiday fund <br> - ${ }^{2}$ Process: find total cost of holiday and total holiday fund $13 \times 44$ <br> - ${ }^{3}$ Communication: state conclusion with reason | 3 | - ${ }^{1} 259-(76+41+45+30+23)$ $=44$ <br> - 2 520 and 572 <br> - ${ }^{3}$ Yes he can afford the holiday as he can save $£ 52$ more than he needs. |
| Notes: <br> 1. Working must be shown to justify the answer <br> 2. ${ }^{\text {st }}$ mark is for holiday fund which is balance of income $v$ total outgoings - and is available for follow through from (a) - and could be a deficit <br> 3. If holiday fund is $<0$ (or "deficit" mentioned) mark 2 is unavailable as subsequent working has been eased <br> 4. Mark 3 is available (after deficit) if justified. <br> 5. Alternative: $13 \times 259-13 \times 215$ |  |  |  |  |



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|  | (b) | Ans: no with reason <br> - ${ }^{1}$ Stratgey: select critical path <br> ${ }^{2}$ Communication: state conclusion with reason | 2 | - ${ }^{1} 5+8+(5+3)+4$ <br> - ${ }^{2}$ no, because it will take 25 hours |
| Notes: <br> 1. H/I interchanged is acceptable <br> 2. (b) marks can be awarded for incorrect critical path with valid comparison to 22 hours <br> Eg if $\frac{C}{2} \frac{D}{8} \frac{E}{6} \frac{I}{4}=20$ hours <br> YES as $20<22$ would gain mark |  |  |  |  |
| 7. | (a) | Ans: boys with valid reason | 1 |  |
| Notes: |  |  |  |  |
|  | (b) | Ans: 26, 18, 30 <br> - ${ }^{1}$ Process: state the median <br> - ${ }^{2}$ Process: state the quartiles | 2 | - ${ }^{1} 26$ <br> ${ }^{-2}$ 18, 30 |
| Notes: |  |  |  |  |
|  | (c) | Ans: <br> - ${ }^{1}$ Strategy: correct end points <br> - ${ }^{2}$ Strategy: correct box | 2 | - ${ }^{1}$ end points at 10 and 42 <br> - ${ }^{2}$ box showing $Q_{1}, Q_{2}, Q_{3}$ |
| Notes: <br> 1. Incorrect answers in part (b) must be followed through to give the possibility of awarding 2/2 |  |  |  |  |

