

| 4(b) | $\frac{2}{36}$ are oak hence. $\frac{40}{720}$ of the trees in the forest are oak. | [1] Correct method identified |
| :---: | :---: | :---: |
|  | $\frac{9}{36}$ are pine hence $\frac{180}{720}$ of the trees are pine | [1] Calculation of Oak and Pine |
|  | Hence there are a total of 220 oak and pine trees. So there is 500 trees in the forest that are not oak or pine. | [1] Final answer |
| 5 | $\frac{9}{4}+\frac{9}{4}+\frac{11}{8}+\frac{11}{8}=$ total perimeter of the rectangular field | [1] Correct method used for perimeter |
|  | $\frac{18}{8}+\frac{18}{8}+\frac{11}{8}+\frac{11}{8}=\frac{58}{8} \mathrm{~km}$ | [1] Perimeter calculated |
|  | Answer $=7 \frac{1}{4} \mathrm{~km}$ | [1] mark for final answer (has to be a mixed fraction) |
| 6 | $\frac{4}{40}$ from Italy and $\frac{10}{40}$ from Sweden. | [1] mark for identifying 40 as the simplest common denominator |
|  | $1-\left(\frac{4}{40}+\frac{10}{40}\right)=\frac{26}{40}$ from the UK | [1] Calculating the UK fraction |
|  | $\frac{26}{40}$ is equivalent to $\frac{520}{800}$ so 520 out of 800 passengers are from the UK. Hence there are 800 passengers in total | [1] Final answer of 800 |
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