| Question | Answer | Marks | Notes and guidance |
| :---: | :---: | :---: | :---: |
| 1 a | 5567 | 1 |  |
| Ib | $75+65$ | I | Accept $65+75$ |
| 2 | Cat  <br> Dog  <br> Rabbit  <br> Other  | 2 | Award I mark for a correct method to find the number of fish owned seen or implied. $\text { e.g. } 72-(15+20+14+11)$ |
| 3a | $a$ | I | Allow Ia |
| 3b | $35 a b$ | I |  |
| 4 | 1 5       <br> 2 6 6 8     <br> 3 2 3 3 5 6 7 9 <br> 4 0 2 2 4 5   <br> 5 1 6     $\begin{aligned} & \text { Key: } \\ & 1 \mid 5=15 \text { seconds } \end{aligned}$ | 3 | Award I mark for a completed unordered stem and leaf diagram or one omission from an ordered diagram. <br> Award 2 marks for a fully completed correctly ordered diagram. <br> Award I mark for a correct key |

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| 5a | e.g. $40 \times 9=£ 360$ |  |  |  |  |  |  |  |  | 2 | Award I mark for both values rounded to one significant figure use for an estimation Award $2^{\text {nd }}$ mark for 360 seen <br> Award 0 marks for an exact value of $£ 383.03$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5b | e.g. Underestimate as both values have been rounded down |  |  |  |  |  |  |  |  | I | Allow ft from their part a Award 0 marks for "underestimate" stated without correct justification |
| 6 | $\stackrel{ }{4}$ | $\frac{--}{-8}$ |  |  | ${ }_{2}^{--}$ |  | 6 |  |  | 2 | Award I mark for a correct reflection through $y=k$ where $k \neq \mathrm{I}$, or through $x=\mathrm{I}$ |

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| 7 | $n>2.5$ | 2 | Award I mark for a correct first step to solve seen or implied e.g. $4 n>10$ <br> Accept equivalent answers e.g. $n>\frac{5}{2}$ |
| :---: | :---: | :---: | :---: |
| 8 | 4 | 3 | Award I mark for either $30 \%$ of $80(=24)$ or $\frac{4}{7}$ of 35 ( $=20$ ) correctly evaluated Award $2^{\text {nd }}$ mark for both values evaluated |
| 9 | e.g. $2 \times 2 \times 2 \times 2 \times 3 \times 5$ | 2 | Award I mark for a process to find prime factors of 240 i.e. a completed prime factor tree <br> Accept equivalent answers |
| 10a | £1500 | 2 | Award I mark for $25 \times 60$ seen or implied |
| 10b | 20 months | 2 | Award I mark for $600 \div 30$ seen or implied |
| 11 | e.g. vertical axis has an inconsistent scale bars are not of equal width | 2 | Award I mark for each valid criticism |
| 12a | 43100 | 1 |  |
| 12 b | $6.52 \times 10^{-3}$ | 1 |  |
| 12c | $3.2 \times 10^{6}$ | 2 | Award I mark for a correct method seen or implied e.g. $(9.6 \div 3) \times\left(10^{4} \div 10^{-2}\right)$ or $96000 \div 0.03$ |

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| I3 | 9.6 kg |  | Award I mark for a correct scaling seen or <br> implied i.e. I00 leaflets $=$ I. 6 kg |
| :---: | :--- | :---: | :--- |
| 14 a | 4 | 3 | Award I mark for a correct method seen to <br> evaluate the mass of 600 kg e.g. "I.6" $\times 6$ or <br> "I. 6 " +8 |
| 14b | $270 \mathrm{~cm}^{3}<1000 \mathrm{~cm}^{3}$ | 3 | Award I mark for a correct method to find the <br> volume of the cylinder seen or implied i.e. <br> $3 \times 3^{2} \times I 0$ <br> Award I mark for $270 \mathrm{~cm}^{3}$ <br> Award I mark for a correct comparison made <br> against I litre |

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| 15 |  | 2 | Award I mark for 67 females or 35 females under 18 identified |
| :---: | :---: | :---: | :---: |
| 16a | e.g. | 1 | Or-4-7 =-11 |
| 16b | 12 | 1 |  |
| 17 | 0.85 km | 1 |  |
| 18a | 5 | 2 | Award I mark for $3 \times 7-2 \times 8$ seen or implied |

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## Year II Foundation Non-Calculator Paper I Mark Scheme

| 28b |  | 2 | Award I mark for all points plotted from the table but not joined or all points from their table correctly plotted and joined. |
| :---: | :---: | :---: | :---: |
| 29 | $90^{\circ}$ | 3 | Award I mark for stating the total of the interior angles of a pentagon i.e. $540^{\circ}$ <br> Award I mark for a correct method to find the size of the other two angles <br> e.g. $\frac{540-(115+120+125)}{2}$ |

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| Her speed is less than the speed limit |  | Award I mark for a correct method to <br> calculate the speed of the journey e.g. I8 $\times 3$ <br> or I8 $\div \frac{1}{3}$ |  |
| :---: | :--- | :--- | :--- |
| 30 | 3 | Award I mark for 54 mph seen or implied <br> Award final mark for a correct conclusion with <br> working stated <br> Award 0 marks for "less" with no or incorrect <br> supporting working. |  |
| 31 | $x=-4$ or $x=3$ | 2 | Award I mark for a correct method to solve <br> quadratic e.g. $(x+4)(x-3)$ seen. Allow one <br> slip, but their attempt at factorisation must <br> produce at least 2 correct terms when <br> expanded. |

