| 1. | Egit did an experiment growing runner bean plants for his biology coursework. | | | | | | | | | | | |
|------|---|---|-------------|-------------|-----------|--|----------------|-----------------|----------|--------------|-----------------|---------|
| | Infor | mation a | pout the l | neights, ir | ı centin | netres, | of his 1 | 9 plants | s is giv | en belo | w. | |
| | 130 | 210 | 230 | 170 | 31 | 10 | 280 | 210 | 1 | 90 | 190 | 90 |
| | 240 | 200 | 200 | 170 | 25 | 50 | 180 | 100 | 1 | 50 | 90 | |
| | Drav | v an order | ed stem a | nd leaf di | agram t | to show | this in | oformati | on (on | square | d/lined p | paper). |
| 2. | Here | are the w | veights, in | grams, o | of 15 che | erry tor | natoes | | | | | |
| | | 10.1 | 9.0 | 8.3 | 8.8 | 9.4 | 1(|).5 | 9.5 | 8.4 | | |
| | | 9.8 | 9.5 | 10 : | 3 8 | 8.7 | 8.8 | 9.0 | 9. | 3 | | |
| | (a) | Show this | | | | | | | | | d/lined p | paper). |
| | (3.) | | | | | | | | | | | |
| | (b) | Work out | the rang | e. | | | | | | | | |
| | | | | | | | | | | (b) | | |
| | (c) | Work out | the med | ian. | | | | | | | | |
| | | | | | | | | | | (c) | | |
| | | | | | | 0 9 | 9 | | | | | |
| stei | nLea | f(7) answe | ers | | Q1 (a) | 1 0 | 3 5 | 7 7 8 | 99 | - Key: | 1 5 = 1 | 50 cm |
| | | () | | | - () | $\begin{array}{c c} 2 & 0 \\ \hline 3 & 1 \end{array}$ | 0 1 | 1 3 4 | 5 8 | - | | |
| | 8 | $3 \ 4 \ 7$ | 8 8 | | | Ι | | | | | | |
| 2a) | $\frac{9}{10}$ | $\begin{array}{cccc} 3 & 4 & 7 \\ \hline 0 & 0 & 3 \\ \hline 1 & 3 & 5 \end{array}$ | 4 5 5 | 8 Key: | 8 3 = 8 | .3 gran | ns | b) 2.2 | grams | s c |) 9.3 gra | ms |
| | I | | | | | | | | | | | |
| 1. | | did an ex | - | | | - | | | | | | |
| | | mation al | | 0 / | | , | | - | 0 | | | |
| | 130 | 210 | 230 200 | | | 10 50 | 280 | 210 | | 90 50 | 190 | 90 |
| | 240 Dray | 200 v an order | | | | | 180 this in | 100 Iformati | | 50 square | 90 d/lined i | naper) |
| - | | | | | - | | | | | square | a/ inica j | japer). |
| 2. | Here | are the w | <u> </u> | <u> </u> | | , | | | 05 | 0.4 | | |
| | | 10.1 | 9.0 | 8.3 | 8.8 | 9.4 | 1(|).5 | 9.5 | 8.4 | | |
| | | 9.8 | | | | 8.7 | 8.8 | 9.0 | 9. | | | |
| | (a) | Show this | s informat | ion in an | ordered | l stem | and lea | af diagra | m (on | square | d/lined p | paper). |
| | (b) | Work out | the rang | e. | | | | | | | | |
| | | | | | | | | | | (b) | | |
| | (\mathbf{c}) | Work out | the med | ian | | | | | | (~) | | |
| | (0) | ,,on out | ine meu | | | | | | | | | |
| | | | | | | | | | | (c) | | |

stem and leaf (7)

3. Here are the seat heights, in metres, of 15 sofas.

| 0.40 | 0.27 | 0.38 | 0.42 | 0.37 | 0.29 | 0.37 | 0.39 |
|------|------|------|------|------|------|------|------|
| 0 | .41 | 0.42 | 0.35 | 0.43 | 0.29 | 0.33 | 0.39 |

(a) Show this information in an ordered stem and leaf diagram (on squared/lined paper).

(b) Work out the median.

(b)

Gilyaz selects a sofa at random

(c) Write down the probability that its seat height is lower than 35 centimetres.

$$3a) \frac{2 | 7 9 9}{3 | 3 5 7 7 8 9 9}{4 | 0 1 2 2 3}$$
 Key: $3|7 = 0.37$ metres b) 0.38 metres c) $\frac{4}{15}$

3. Here are the seat heights, in metres, of 15 sofas.

| 0.40 | 0.27 | 0.38 | 8 0.42 | 0.37 | 0.29 | 0.37 | 0.39 |
|------|------|------|--------|------|------|------|------|
| 0.4 | 41 | 0.42 | 0.35 | 0.43 | 0.29 | 0.33 | 0.39 |

(a) Show this information in an ordered stem and leaf diagram (on squared/lined paper).

(b) Work out the median.

(b)

Gilyaz selects a sofa at random

(c) Write down the probability that its seat height is lower than 35 centimetres.

(c)