

1. For her carpentry coursework, Gilyaz asked 19 carpenters how much they earned yesterday. This information is shown in the stem and leaf diagram.

0	8 9
1	1 2 6 7 7 8 8 9
2	1 2 2 2 5 6
3	2 5 7

Key: 2|1 = £ 210

- (a) Write down the mode.

£

- (b) Work out the range.

£

- (c) Work out the interquartile range.

£

3. The stem and leaf diagram gives information about 19 teachers annual wage.

2	2	2	2	4	6	8	8		
3	0	0	0	0	1	2	5	8	9
4	1	1	5						

Key: 2|2 = £ 22 000

(a) Work out the mode.

£

(b) Work out the range.

£

(c) Work out the upper quartile.

£

A teacher is chosen at random.

(d) Work out the probability the teacher earns over £30 000.

(d)

Answers

1. (a) £ **220**
- (b) £ **290**
- (c) £ **90**
- FYI:** *M1 for LQ 160 or UQ or 250 or attempt to find quartiles*
2. (a) **9.1** seconds
- (b) **9.5** seconds
- (c) **5.6** seconds
- FYI:** *M1 for 56 or 11.9 - 6.3*
- (d) **1.9** seconds
- FYI:** *M1 for LQ 8.0 or UQ or 9.9 or attempt to find quartiles*
3. (a) £ ... **30.000** ...
- (b) £ ... **23.000** ...
- FYI:** *M1 for 23 or 45 000 - 22 000 or 45 - 22*
- (c) £ ... **38.000** ...
- (d) $\frac{8}{19}$