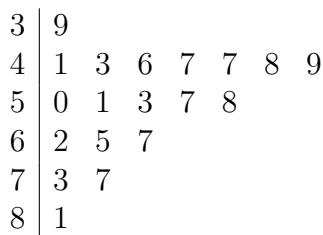


1. The stem and leaf shows the strokes of 19 new golf players on a 36 par practice course.  
 {The strokes are the number of times the player hits the ball when playing}  
 {36 par means that a good player would need 36 strokes to complete the course.}



Key: 8|1 = 81 strokes

(a) Write down the mode.

(a) .....

(b) Work out the range.

(b) .....

(c) Work out the median.

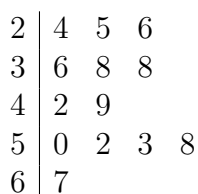
(c) .....

One of the players is chosen, at random

(d) Work out the probability that this player took over 65 strokes.

(d) .....

2. The stem and leaf diagram shows some data about an egg and spoon race.  
 The times for the 13 contestants to complete the race are given in seconds.



Key: 6|7 = 67 seconds

(a) Write down out the median.

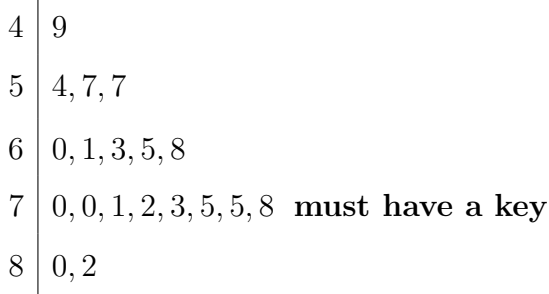
..... seconds

(b) Write down out the mode.

..... seconds

Stem and leaf (5) Answers

1. (a) 47 (b) 42 (c) 51 (d)  $\frac{4}{19}$   
 2. (a) 42 (b) 38  
 3. (a) See the stem and leaf →  
 (b) 57, 70 and 75 (c) 33 (d)  $\frac{6}{19}$



3. Florian has 21 chickens.

He collected and weighed, the eggs from his chickens yesterday.

Here are the weights, in grams, of the 19 eggs he collected.

63    72    82    60    73    70    68    57    78  
 49    75    61    65    71    54    75    57    70    80

(a) Show this information in an ordered stem and leaf diagram.



Key:

(b) Write down the modes.

..... grams

(c) Work out the range.

..... grams

In the U.K. eggs are extra large when they weigh at least 73 grams.

Florian selects one of the eggs at random.

(d) Work out the probability he selects an extra large egg.

(d) .....