Here are the ages, in years, of 15 teachers.

35	52	42	27	36
23	31	41	50	34
44	28	45	45	53

Draw an ordered stem and leaf diagram to show this information. You must include a key.

2	7 3 8
3	5 6 1 4
4	2 1 4 5 5
5	2 0 3

This big space here is provided for a reason ... use it!!

2	3 7 8
3	1 4 5 6
4	1 2 4 5 5
5	0 2 3

Key: 3 | 1 = 31

and always remember the key!

(3)

JustMaths

no table has been provided → so I've got to draw my own...

Here are the speeds, in miles per hour, of 16 cars.

31	52	43	49	36	35	33	29
54	43	44	46	42	39	55	48

Draw an ordered stem and leaf diagram for these speeds.

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

always check you have the same amount of numbers

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

KEY
3 | 1 = 31 mph

(3)

even though it wasn't asked for you must include the key...

Anna hits some tennis balls. The speeds (mph) of the balls are shown.

46	55	64	48	51
57	65	60	53	72
61	59	52	53	49

(a) Show the data in an ordered stem and leaf diagram. Remember to complete the key.

4	6 8 9
5	5 1 7 3 9 2 3
6	4 5 0 1
7	2

Key: 4 | 6 represents 46 mph

4	~~6~~ ~~8~~ ~~9~~
5	~~1~~ ~~2~~ ~~3~~ ~~3~~ ~~5~~ ~~7~~ ~~9~~
6	~~0~~ ~~1~~ ~~4~~ ~~5~~
7	~~2~~

(4)

(b) Work out the median speed

55

(1)

Here are the weights in grams, to the nearest gram, of 15 eggs.

33	46	41	54	51
38	60	44	55	51
62	55	52	37	63

(a) Complete the ordered stem and leaf diagram to show this information. You must include a key.

3	3 8 7
4	6 1 4
5	4 1 5 1 5 2
6	0 2 3

3	3 7 8
4	1 4 6
5	1 1 2 4 5 5
6	0 2 3

Key:
3|3 = 33 grams

(3)

Meg is going to pick at random one of the eggs.

(b) Work out the probability that this egg will have a weight of more than 45 grams.

There are 10 eggs that weigh more than 45 grams

$\frac{10}{15} = \frac{2}{3}$

(2)

JustMaths

Jim did a survey on the lengths of caterpillars he found on a field trip.

Information about the lengths is given in the stem and leaf diagram.

1	3 5 7 7
2	0 6 8 8 8 9
3	1 5 5 5 5 6 8 9
4	1 5
5	2

Key: 5 | 2 means 5.2 cm

When reading stem and leaf diagrams ALWAYS check the key

(a) Work out the median.

I hope ya didn't write 31 ?!?

3·1 ..... cm

(2)

(b) Work out the range.

range = largest - smallest

5·2 - 1·3 = 3·9 ..... cm

(2)

(c) Work out the mode.

most often occurring...

3·5 ..... cm

(2)