Name:.....

Stem and Leaf Diagrams (Level 6)

Stem and Leaf Diagrams are a way of organising data.

Section A: Can I read values from a stem and leaf diagram? ☺ 😐 ☹

1.

Stem	Leaf
2	~~1~~ ~~3~~ 6 9
3	0 4 4
4	5 5 6
5	~~3~~

The numbers are 21, 23,

....., ..., ..., ..., ...,

....., ..., ..., 53

2.

Stem	Leaf
0	~~2~~ ~~6~~ 8
1	3 4 5 8
2	1 2 4
3	0 ~~5~~

The numbers are 2 , 6,

....., ..., ..., ..., ...,

....., ..., ..., ..., 35

3.

Stem	Leaf
88	~~7~~
89	~~0~~ 8 9
90	1 3 5 6 9
91	2 8

The numbers are 887, 890,

....., ..., ..., ..., ...,

....., ..., ..., ...

Section B: Can I draw stem and leaf diagrams? ☺ 😐 ☹

1. Put the last 5 numbers in the rough stem and leaf diagram. Then put the leaves in order for the neat version.
~~72, 45, 55, 71, 40, 59, 65~~, 52, 43, 79, 47, 57.

Rough version

Stem	Leaf
4	5 0
5	5 9
6	5
7	2 1

Neat version

Stem	Leaf
4	0 3 5 7
5	
6	
7	

For the neat version make sure leaves are in order from smallest to largest and written in columns.

2. Put these numbers in the stem and leaf diagram.

~~18, 9, 23~~, 37, 16, 33, 18, 29, 3, 7, 19, 21

Rough version

Stem	Leaf
0	9
1	8
2	3
3	

Neat version

Stem	Leaf
0	
1	
2	
3	

3. Put these numbers in a stem and leaf diagram.

35, 67, 43, 59, 53, 31, 60, 45, 55, 39, 48, 53, 40, 49

Rough version

Stem	Leaf
3	
4	
5	
6	

Neat version

Stem	Leaf
3	
4	
5	
6	

4. Put these numbers in a stem and leaf diagram.

88, 96, 74, 107, 78, 91, 100, 91, 74, 106, 97, 84

Rough version

Stem	Leaf
7	
8	
9	
10	

Neat version

Stem	Leaf
7	
8	
9	
10	

Section C: Can I interpret stem and leaf diagrams? ☺ 😐 ☹

1.

Stem	Leaf
2	**3** 3 8 9
3	0 4 7
4	5 5 5
5	**7**

Highest value = ...

Smallest value = ...

Range = highest – smallest = ...

Mode = most common = ...

Median = middle number = ...

All the values add up to .....

Mean = ...

2.

Stem	Leaf
9	4 4 7 9
10	6 7 9
11	3 3
12	2 3

Highest value = ...

Smallest value = ...

Range = ...

Mode = ...

Median = ...

All the values add up to .....

Mean = ...