Master Maths 7 Worksheet 76
Data 4

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Name: _____

1. For the following sets of data find the:
(i) mean (ii) median (iii) mode (iv) range

(a) 1, 2, 2, 3, 4, 5, 5, 5, 5, 6, 6

(i) mean = $\frac{\square}{\square}$ = $\square$

(ii) median $\square$ (iii) mode $\square$ (iv) range $\square$

(b) 10, 11, 13, 14, 14, 15, 17, 17, 18, 20, 24, 25

(i) mean = $\frac{\square}{\square}$ = $\square$

(ii) median $\square$ (iii) mode $\square$ (iv) range $\square$

2. (a) Arrange the following set of data in numerical order from the smallest to the largest.

62, 18, 47, 29, 78, 42, 22, 16, 57, 14, 38, 75

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(b) Find the mean for this set of data.

mean = $\frac{\square}{\square}$ = $\square$

(c) Find the median. $\square$

(d) Find the range. $\square$

3. For the set of data shown on the stem-and-leaf plot below find the:
(a) mean (b) median (c) mode (d) range

Stem	*Leaf*
4	4 5 6
5	0 1 2 4 4 5 6 7
6	0 2 2 4 5 5 5 6 9
7	1 2 3 5 6 6
8	0 1 1

(a) mean = $\frac{\square}{\square}$ = $\square$

(b) median $\square$ (c) mode $\square$ (d) range $\square$

4. (a) Convert the data shown on the non-ordered stem-and-leaf plot below to an ordered stem-and-leaf plot.

Stem	*Leaf*
1	7 5 9 7 6
2	7 1 8 3 4 3 0 2 5
3	3 6 2 7 1 4

Stem	*Leaf*

(b) Find the mean for this set of data.

mean = $\frac{\square}{\square}$ = $\square$

(c) Find the median. $\square$