

# CW April 4 Answer Key

Name: Key  
 Math 7H - Period:      (4<sup>th</sup> qtr)

April 3  
 Ms. Nhotsouanh

Classwork: Stem-and-Leaf Plot

Make stem-and-leaf plots for the given data.

Based on the data shown, determine the mean, median, mode, & range.

- 1)  $\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark$   
 26, 37, 48, 33, 49, 26, 19, 26, 48  
 #9

Stem	Leaf
1	9
2	6 6 6
3	<u>3</u> 7
4	8 8 9

Key: 3|7 = 37

Show your work:

a) mean =  $\frac{312}{9} = 34.7$   
 b) median = 33  
 "middle"  
 (35)

c) mode = 26

d) range = 49 - 19  
 (30)

- 3)  $\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark$   
 552, 547, 578, 543, 559, 565, 544, 552  
 #8

Stem	Leaf
54	3 4 7
55	2 2 9
56	5
57	8

Key: 55|9 = 559

Show your work:

a) mean =  $\frac{4440}{8} = 555$

b) median = 552

c) mode = 552

d) range = 578 - 543  
 (35)

- 2)  $\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark$   
 67, 42, 58, 41, 54, 65, 65, 54, 69, 53  
 #10

Stem	Leaf
4	1 2
5	3 4 <u>4</u> 8
6	5 5 7 9

Key: 6|5 = 65

Show your work:

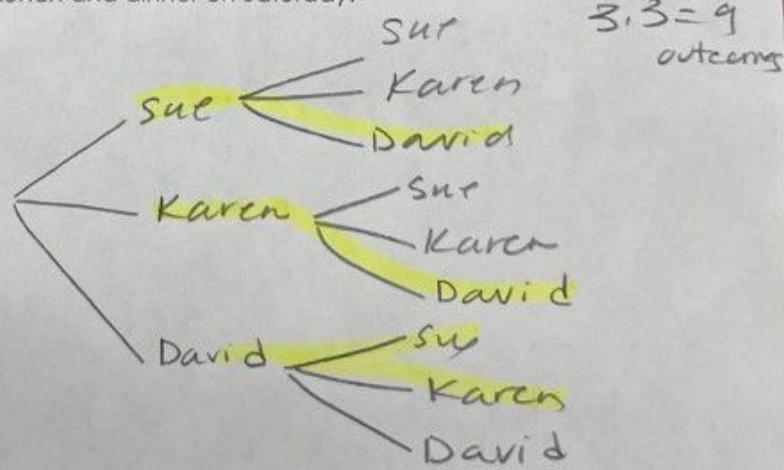
a) mean =  $\frac{568}{10} = 56.8$   
 (57)

b) median =  $\frac{54+58}{2}$   
 (56)

c) mode = 54, 65

d) range = 69 - 41  
 (28)

4. Mr. Smith has three children: two girls (Sue and Karen) and one boy (David). After each meal, one child is chosen at random to wash dishes. If the same child can be chosen for both lunch and dinner, construct a tree diagram or list a sample space of all the possible outcomes of who will wash dishes after lunch and dinner on Saturday. Determine the probability that one boy and one girl will wash dishes after lunch and dinner on Saturday.



$P(B, G)$  or  $P(G, B)$   
 $\frac{1}{3} \cdot \frac{2}{3} + \frac{2}{3} \cdot \frac{1}{3}$   
 $\frac{2}{9} + \frac{2}{9} = \frac{4}{9}$