Assumption College   ค20204

Name .... Class M.2/ .... No. ....

1. The table shows the amount of money (in $) Kate spent each week for 18 weeks.

31	31	33	39	39	41	42	45	47
48	49	52	52	53	67	70	72	85

a) Represent set of data using a stem-and-leaf diagram.

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b) How many observations are record?

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c) What are the minimum and the maximum amount of money

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2. The stem-and-leaf diagram displays the speeds of some cars as they passed a 60 km/h speed limit junction.

Speeds of cars at a junction

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

Key: 3 | 4 means 34 km/h.

a) How many observations are record?

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b) What are the minimum and the maximum speed recorded?

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c) If the cars with speeds exceeding 63 km/h were fined for speeding, find the percentage of cars that were fined.

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3. The pH values of some cleaning solutions are presented in the stem-and-leaf diagram.

pH values of some cleaning solutions

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

Key: 5 | 4 means 5.4.

a) What are the lowest and the highest pH values recorded?

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b) A solution with a pH value of less than 7.0 is said to be acidic. How many solutions are acidic?

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4. The ages of buyers on two online websites are recorded as follows:

Website A	31	35	16	28	19	19	41	21
	28	25	53	34	17	29	20	42
Website B	42	49	43	24	30	55	47	53
	39	52	27	33	66	40	64	46

Represent these two sets of data using a back-to-back stem-and-leaf diagram.