

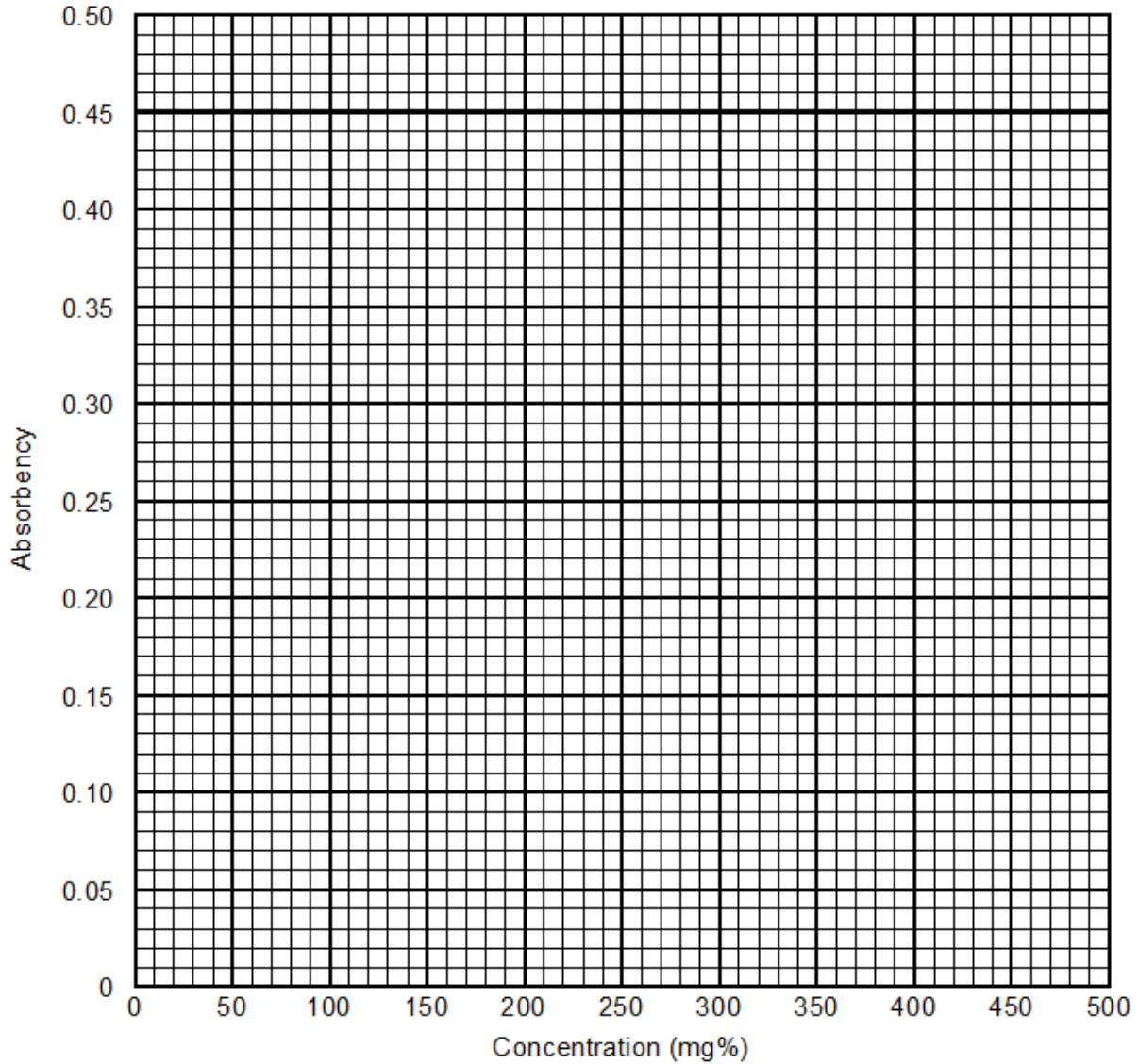
Vet Tech Mathematics

Name: _____

Date: _____

1. Given the three data points for absorbency and concentration plot them and draw a line so we can interpolate the following chart.

0.03 20 mg%
0.18 220 mg%
0.33 420mg%

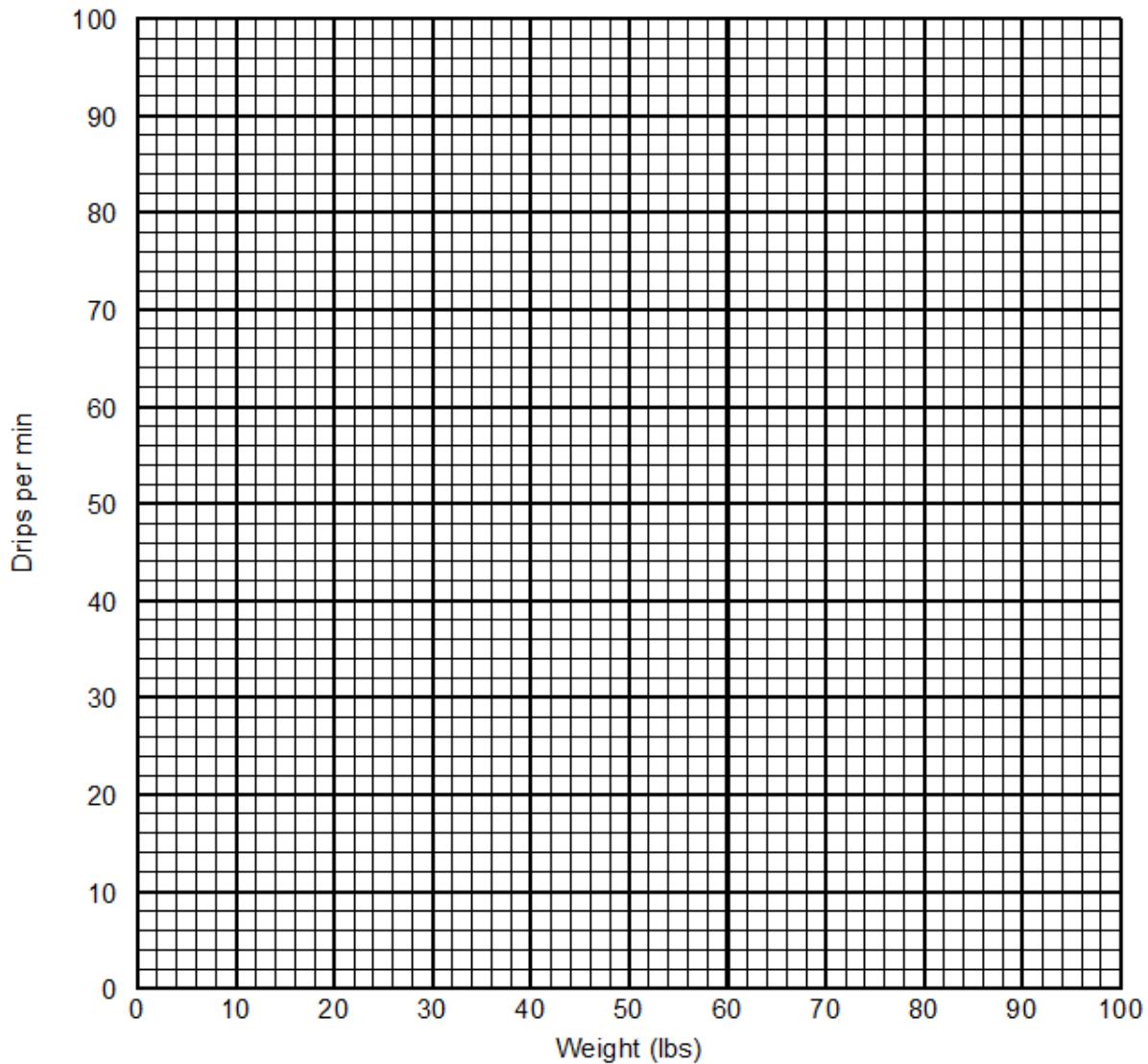


Unknown Solution	A	Concentration
A	0.05	
B	0.08	
C	0.14	
D	0.23	
E	0.30	
F	0.38	

Vet Tech Mathematics

2. Calculate the following for 9.5% percent dehydration and plot four points for the patient's weight and drips per minute on the chart by drawing two sloped lines between the points.

Patient weight	Replacement Volume	Maintenance Volume	Total Volume	Milliliter per Minute	Drips per Minute
5 lbs					
20 lbs					
25 lbs					
100 lbs					



3. Determine the drips per minute for the following patients weighing between 5 and 100 pounds. Find the patient's weight and go vertically to the sloped line representing the percent of dehydration. Record the drips per minute from the horizontal line.

Patient's Weight	% Dehydration	Drips per Minute
15 lbs	9.5%	
35 lbs	9.5%	
75 lbs	9.5%	

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Mean, Median and Mode

We count the calorie intake on the 20 dogs in our kennel. They range in weight from 75 to 90 pounds.

1875	1905	2175	1975	2200	2150	2075	1915	2150	2210
2025	2050	2065	2175	1925	2050	2075	2120	1910	2250

1. Order the data
2. What is the range?
3. What is the mean, median and mode
4. What is the percentage of the calories are below 2001?
5. What is the percentage of the calories are above 2001?

We have collected temperature data (in degrees Fahrenheit) on the dogs in the kennel. There are 20 dogs. Order the data from smallest to largest. Find the mean, median, mode and range for the data.

99.0	100.9	102.1	99.4	100.8	99.2	100.5	101.2	101.5	99.8
99.6	100.3	100.7	101.7	101.2	100.6	101.8	100.3	102.0	102.5

6. Order the data
7. What is the range?
8. What is the mean, median and mode?