

Probability & Data Management

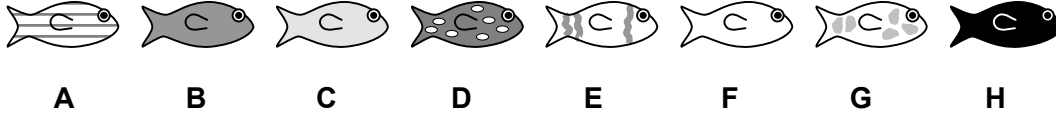
Name: _____

Unit Test

Date: _____

Section A

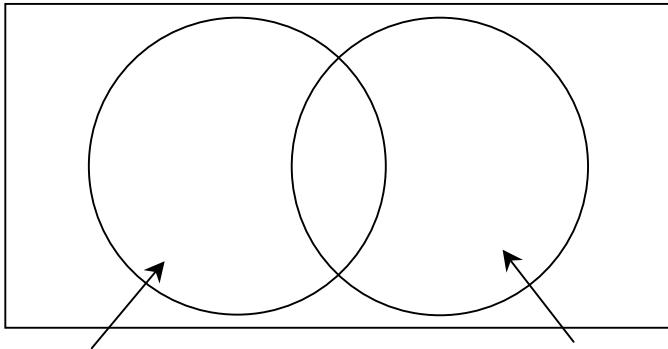
1. Rene's class has a fish tank. It contains a variety of small fish, each with different characteristics:



a) Rene designed the following table to classify the fish. Can you help him complete it?

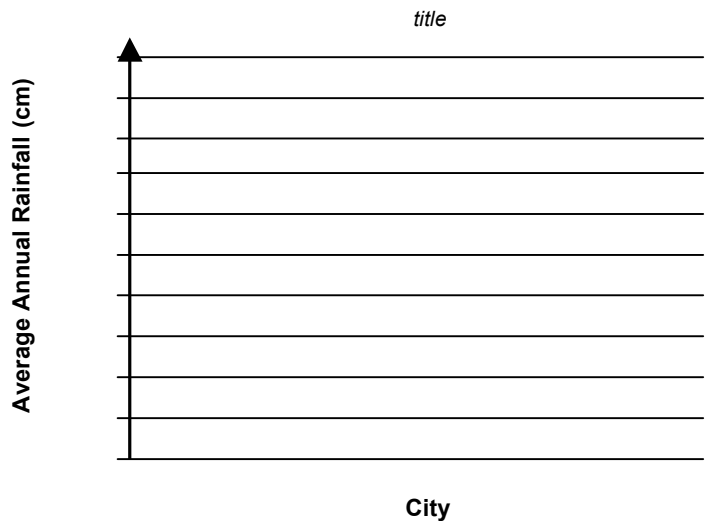
Category	Fish (by letter)
Fish <u>with</u> a pattern	
Light fish	

b) Complete a Venn diagram to show your results.



2. Complete the bar graph to display the following data:

Average Annual Rainfall by City (in cm)	
Capetown, South Africa	50
Quebec City, Canada	88
Melbourne, Australia	65
Rio de Janeiro, Brazil	92
Denver, USA	39



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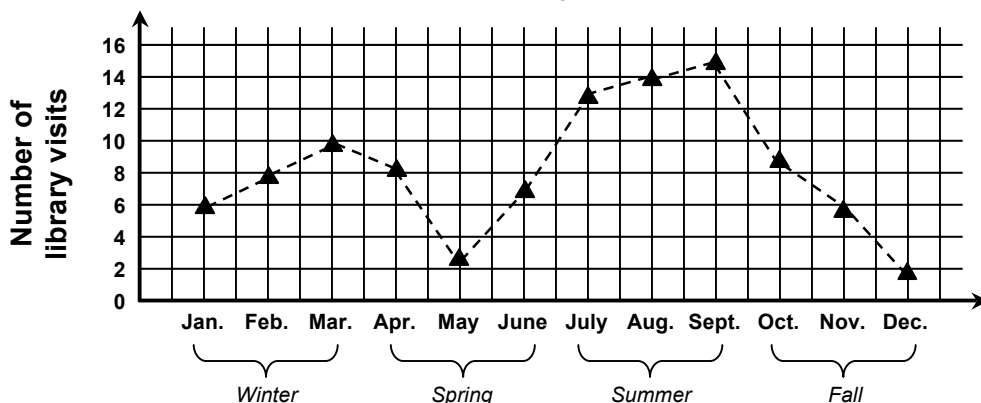
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3.

John's Visits to Library over the Past Year



Use the above line graph to answer the following questions:

- In which month did John visit a library ...
 - the greatest number of times? _____
 - the fewest number of times? _____
- How many times did John visit a library in ...
 - in October? _____
 - in February? _____
- In which months did John visit a library more than 10 times? _____

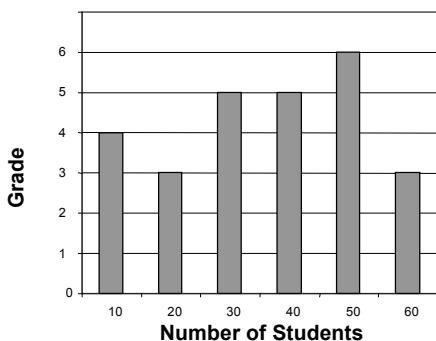
4. Look at the following chart:

Grade	1	2	3	4	5	6
Number of students	40	30	50	50	60	30

- Which of the bar graphs below best represents the data above? What errors were made in the other two graphs?

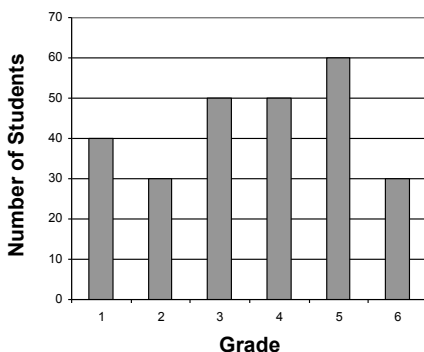
A.

Number of Students in Each Grade



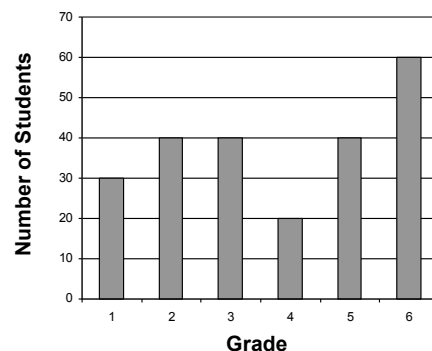
B.

Number of Students in Each Grade



C.

Number of Students in Each Grade



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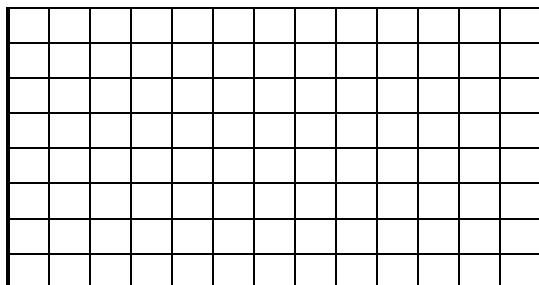
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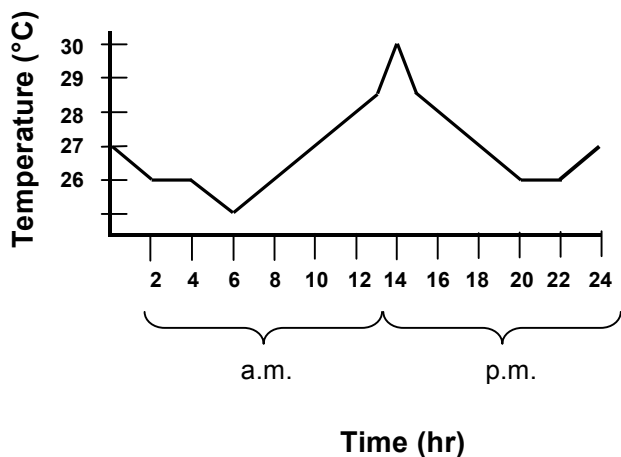
b) Draw a line graph to show the data in the chart.

c) Is the data continuous or discrete on each axis? Did you use continuous (—) or broken (----) line for your graph? Explain your choice.



5.

Body Temperature of a Giant Toad during Day



a) Describe any trends you see in the data.

b) What is the body temperature of a toad around 5 p.m.?

c) List two periods when the body temperature of the toad does not change.

From _____ to _____ and from _____ to _____.

d) Is the data on each axis continuous or discrete?