

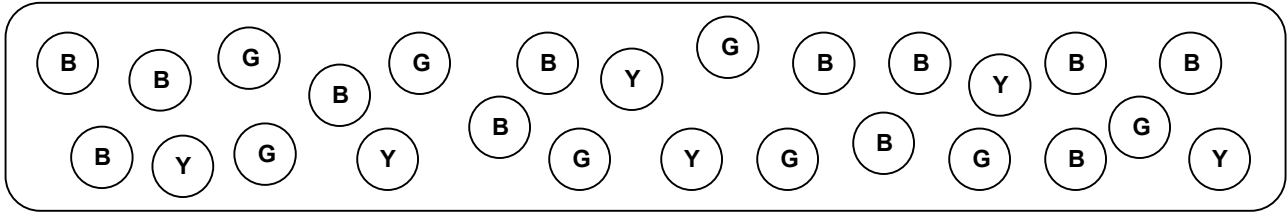
Probability & Data Management

Name: _____


Unit Test

Date: _____

1. In a bag of marbles, there are three different colours: blue (B), green (G) and yellow (Y).



a) Use the chart to tally the marbles. Then create a pictograph using the key provided:

KEY:  = 2 marbles

Colour	Tally	Pictograph
Blue		
Green		
Yellow		

b) Suppose, instead, there were 9 green marbles in the bag. How would you use the key above to draw the pictograph for 9?

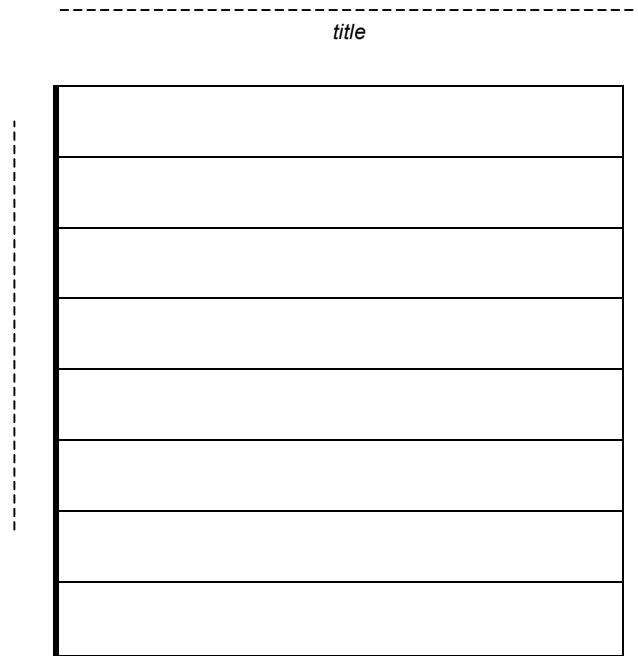
2. Complete the following tally chart below:

Question: What is your favourite animal?

Animal	Tally of Students	Count
Dog	### ##	_____
Cat	### IIII	_____
Horse	III	_____
Rabbit	### I	_____

Next, complete the bar graph to display the data in the chart.

Be sure to label your axes clearly, and include a title. Also, think carefully about a scale that would be suitable.



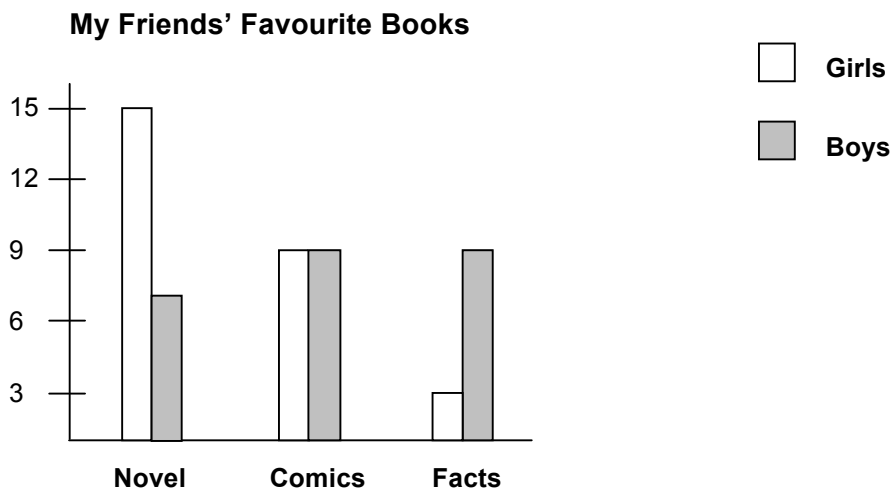
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3. Can you help Luke read the following double bar graph?

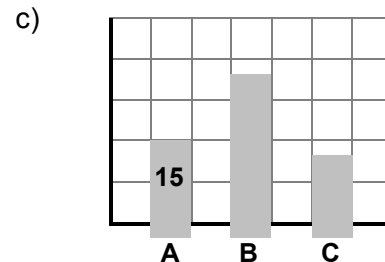
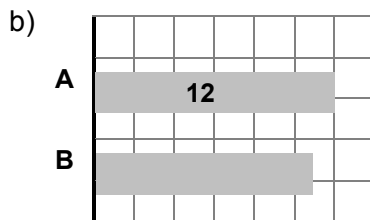
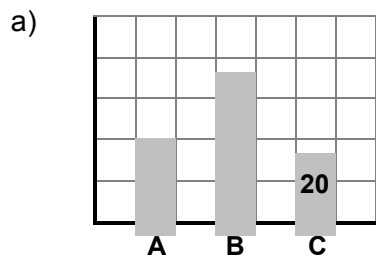


a) Which type of books did the same number of boys and girls prefer?

b) What type of books do girls like most? What about boys?

c) How many girls voted altogether? How many boys?

4. Determine the values of the other bars on the graphs:



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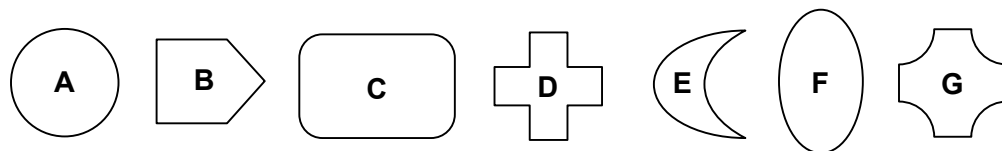
5. Ivan found the following information on the Internet:

- a) Ivan must create a data display of this information. What type of graph do you think he should use? Why?

<u>City</u>	<u>Average Annual Snowfall (cm)</u>
Yellowknife, NT	143
Regina, SK	107
Winnipeg, MB	114
Halifax, NS	261
St. John's, NF	322

- b) Display Ivan's data on the kind of graph you named above. Be sure to include labels.

6. Look at the following shapes:



Fill in the following table (using checkmarks), and then use the table to complete the Venn diagram:

Shape	<u>Straight sides only</u>	<u>Curved sides only</u>	<u>Both straight and curved sides</u>
A			
B			
C			
D			
E			
F			
G			

