

**MCA Study Skills**

Name: \_\_\_\_\_

*Probability & Statistics (Lesson 3)*

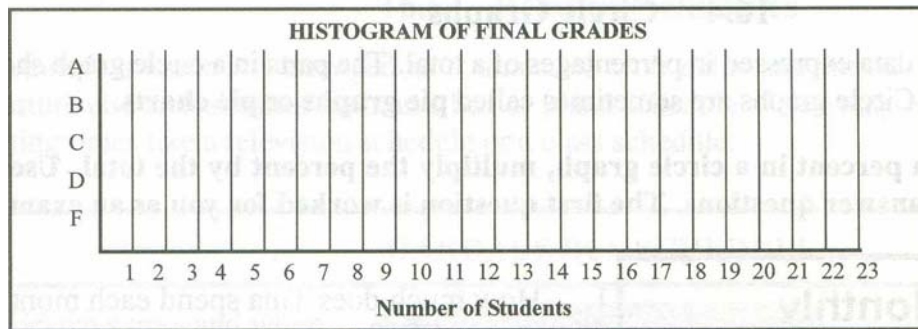
Worksheet B

**Part 1:** The following data gives the final math averages for Mr. Court's class. In his class, an average of 90-100 is an A, 80-88 is a B, 70-79 is a C, and 60-69 is a D, and an average below is an F. Tally and record the frequency of A's, B's, C's, D's, and F's.

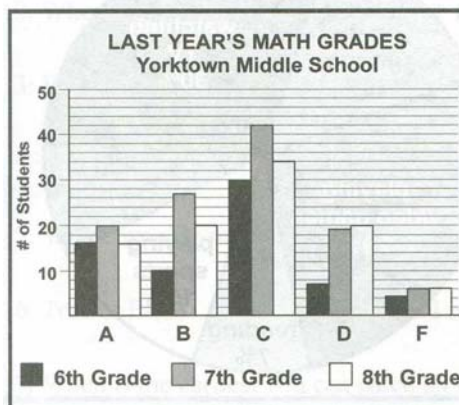
**Part 2:** use the frequency table in part 1 to make a histogram for the data.

Final Math Averages									
85	92	87	62	75	84	96	52	31	79
45	77	98	75	71	79	85	82	86	76
87	74	76	68	93	77	65	84	89	
79	65	77	82	86	84	92	60	65	
99	75	88	74	79	80	63	84	69	
87	90	75	81	73	69	73	75	75	

Grade	Tally	Frequency
A		
B		
C		
D		
F		

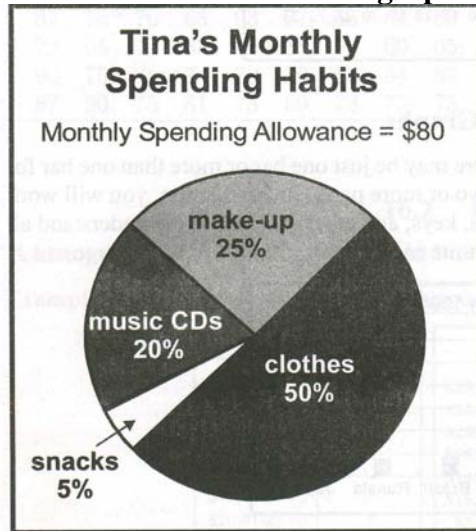


**Part 3:** Answer the questions in regards to the graph below



- 3.) how many of last year's 6<sup>th</sup> graders made C's in math?
- 4.) How many more math students made B's in the 7<sup>th</sup> grade than in the 8<sup>th</sup> grade?
- 5.) Which letter grade occurs the most number of times in the data?
- 6.) How many 8<sup>th</sup> graders took math class last year?
- 7.) How many students made A's in math last year?

**Part 4: Answer the questions based on the circle graph below:**



- 8.) How much does Tina spend each month on music CD's
- 9.) How much does Tina spend each month on make-up?
- 10.) How much does Tina spend each month on clothes
- 11.) How much does Tina spend each month on Snacks?

**Part 5: Determine the ranks in the situation below**

Four designers must choose between four colors for their next project. They all could not decide on just one color, so they decided to rank each color from their favorite to least favorite.

- Designer 1: blue, yellow, green, purple
- Designer 2: purple, blue, green, yellow
- Designer 3: yellow, purple, green, blue
- Designer 4: blue, purple, yellow, green

- 12.) Determine which color is ranked #1
- 13.) Determine the color that is rank #2
- 14.) Determine ranks #3 and #4

**Part 6: Answer the question below**

- 15.) In the space below, draw a line graph showing a population increasing over time.

