CANDYLAND ELEMENTARY SCHOOL LAND COVER CHART

Name _____ Date _____

Congratulations on creating a model of your school site! Last night a satellite was able to take an aerial photograph of your model. You can use this photograph to determine how the land area of your school site is used.

1) Fasten the grid transparency over your photograph with tape.

2) With your partner, determine the color of every square. You must determine which color takes up the greatest amount of EACH SQUARE.   That is the number you count for that square. Using an erasable pen, place an "X" or a "✓" in each square that you count. Use the table below to help you keep a tally.

EXAMPLE:

COLOR	LAND COVER	NUMBER OF SQUARES	
		TALLY	*TOTAL*
Red	*Buildings*		*38*

COLOR	LAND COVER	NUMBER OF SQUARES	
		TALLY	*TOTAL*

TOTAL SQUARES:

26

3) If you have not already done so, find the total number of squares counted and write that number here:

4) Now you have enough information to figure out the percentage for each type of coverage for your school yard. To find percentage, divide the number of squares of each color by the total number of squares, and then multiply by 100:
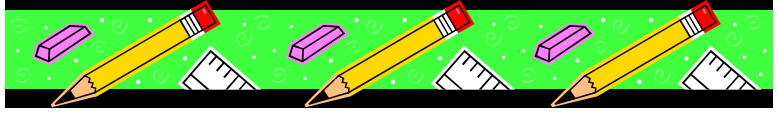
$$\frac{\text{Number of Squares for a Single Color}}{\text{Total Number of Squares}} \quad X \ 100 \ = \quad \text{Percentage of School Yard Covered}$$

EXAMPLE: $\frac{38 \text{ Red Squares}}{516 \text{ Total Squares}}$ = 0.0734   0.0734 X 100 = 7.34% Red Squares

Since in this example Red symbolized Building, we can say that 7.34% of the school yard is covered by Building.

Use the space below to determine the percentage (%) for each coverage type.

COLOR	$\frac{\text{NUMBER OF SQUARES FOR SINGLE COLOR}}{\text{TOTAL NUMBER OF SQUARES}}$ X 100	Percentage Coverage (Round to nearest whole number)
		_____%
		_____%
		_____%
		_____%
		_____%
		_____%

27

Name _____

Date _____