

## GRAPHING PRACTICE #5

1. Construct a bar graph for the data in the following data table.
2. Draw the graph on the graph paper below.
3. Use a pencil and ruler. BE NEAT.

### NUMBER OF BOYS OR GIRLS IN SCIENCE CLASSES

CLASS	A	B	C	D	E	F
NUMBER OF BOYS	8	7	7	3	5	2
NUMBER OF GIRLS	6	2	7	8	4	5

#### STEPS:

1. Put the title above your graph.
2. Label the X Axis. For this graph, it will be CLASS.
3. Label the Y Axis. For this graph, it will be NUMBER OF BOYS OR GIRLS IN SCIENCE CLASSES.
4. Place the units on the X Axis. Below the second column, place an "A" in the center between the two lines. Do the same thing for the very next column - place another "A" as you have two sets of data for class "A". Now SKIP a COLUMN, then label the next two columns both as "B". Continue this (skipping a column then labeling the next two with the class letter) until you have labeled two columns for each letter through "F".
5. Place the units on the Y Axis. Starting with 0 on the first line, each line after equals .5 so that the numbering goes 0 then .5 then 1 then 1.5 then 2 then 2.5 and so on.
6. You will need a key since there are two sets of data. Use the following key:  
BOYS = solid bar (colored)  
GIRLS = open bar (not colored)
7. Plot the data. Locate column "A" on the graph. Go up the first column and fill in bar equal to the number of boys. Go up the second "A" column and draw an open bar equal to the number of girls. Continue doing this for the other class "B" through "F".

