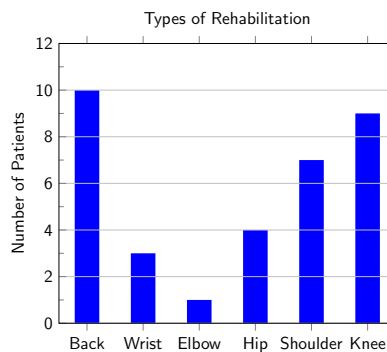# Qualitative Graphs P-Set

The frequency chart below describes the highest level of education for a group of surveyed randomly selected adults in the United States.

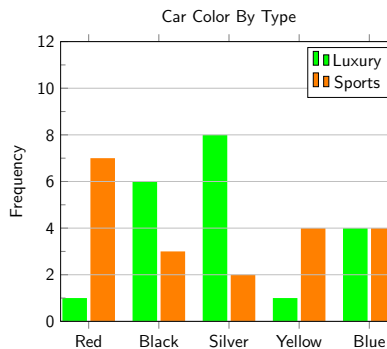| Educational Attainment	Frequency
No high school diploma	12
High school graduate	32
Some college	39
Associate's degree	43
Bachelor's degree	36
Advanced degree	25

1. How many total adults were surveyed?

2. Create a column for the relative frequencies as percents. Round to 2 decimal places for your percents.

3. What percent of adults surveyed have a bachelor's degree?

4. What percent of adults surveyed have only a high school diploma?

The graph below displays the frequencies of rehabilitation for a physical therapist's office.

Types of Rehabilitation

5. If each patient is only seen for one type of injury, how many total patients are involved?

6. What percent of total injuries involve the back?

7. How many more injuries involve the knee than the hip?

8. Create a relative frequency bar plot of the graph above.

The colors of twenty randomly selected luxury cars and twenty randomly selected sports cars are displayed below.
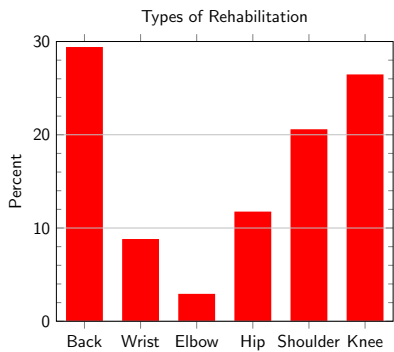

Car Color By Type

9. How many more red sports cars are in the sample than silver sports cars?

10. How many total yellow and blue luxury cars are in the sample?

11. What percent of the luxury cars are black?

12. Create a stacked bar graph for the clustered bar graph shown.

Key

1. 187

2.

Educational Attainment	Frequency	Relative Frequency
No high school diploma	12	6.42%
High school graduate	32	17.11%
Some college	39	20.86%
Associate's degree	43	22.99%
Bachelor's degree	36	19.25%
Advanced degree	25	13.37%

3. 19.25%

4. 17.11%

5. 34

6. about 29.41%

7. 5

8.

9. 5

10. 5

11. 30%

12.