In-Class 1
Sections 2.1-2.2
Math 110: Elementary Statistics

Name_____

1) The following frequency distribution presents the frequency of passenger vehicles that pass through certain intersection from 8:00 AM to 9:00 AM on a particular day.

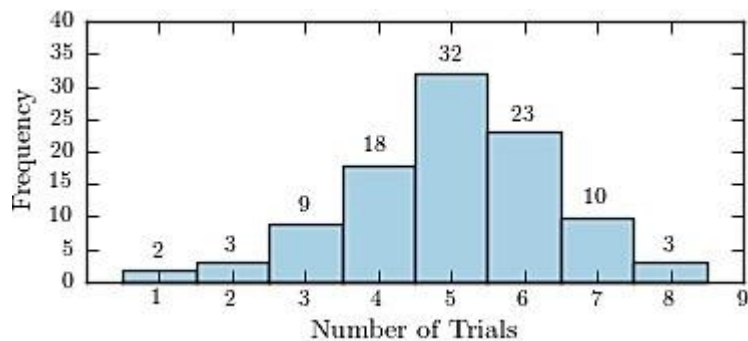| Vehicle Type	Frequency
Motorcycle	7
Sedan	58
SUV	36
Truck	40

Construct a relative frequency bar graph for the data.

2) The following frequency distribution presents the frequency of passenger vehicles that pass through certain intersection from 8:00 AM to 9:00 AM on a particular day.

Vehicle Type	Frequency
Motorcycle	5
Sedan	33
SUV	61
Truck	30

Construct a relative frequency Parato chart for the data.

3) One hundred students are shown an eight-digit number on a piece of cardboard for three seconds an are asked to then recite the number from memory. The process is repeated until the student accuratel recites the entire number from memory. The following histogram presents the number of trials it too each student to memorize the number.

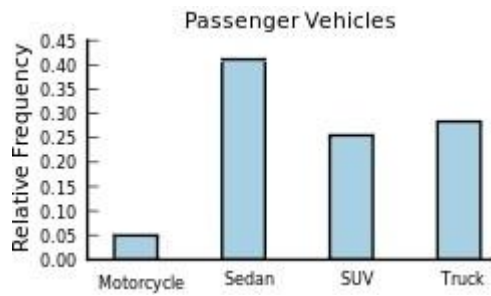How many students memorized the number in three trials or less?

4) The following frequency distribution presents the weights in pounds (lb) of a sample of visitors to a health clinic.

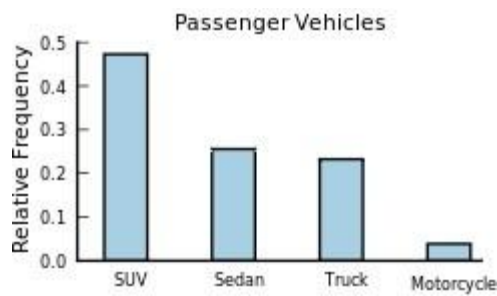| Clinic Visitor Weights	
Weight (lb)	Frequency
120-129	4
130-139	13
140-149	23
150-159	42
160-169	32
170-179	24
180-189	9
190-199	3

Construct a relative frequency histogram.

Answer Key

1)

2)

3) The number of students that memorized the "eight-digit number" in 3 trials or less is 14.

4)