Creating and Interpreting Graphs HW 1: Quiz Grades

Below is a graph that a MTH 105 teacher created partway through one Winter term; the horizontal axis shows the quiz grades, and the vertical axis, how many quizzes were turned in that earned those grades.



- 1. (1 point each) (w) Start by figuring out the total number of quizzes that were turned in! Then, answer the following questions!
 - a) What percent of the quizzes turned in had scores of 12?
 - b) What percent of the quizzes turned in had scores of at *least* 8?
 - c) What percent of the quizzes turned in had scores of more than 8?
 - d) What percent of the quizzes turned in had scores of 5 or *less*?

2. **(3 points) (w)** In that term, there were 62 students enrolled in MTH 105. If we distribute the quizzes above evenly across all 62 students, how many quizzes per student have been done? Round to the nearest whole quiz. If you need a hint, think "conversion to unit fractions".

3. **(3 points)** In this teacher's class, each student must do at least 10 quizzes each term. Look at the last number you calculated – does this mean that *each* student needs to do two more quizzes to reach that minimum of 10 quizzes? Why or why not? Write a sentence or two explaining.

(if those last two have you scratching your head, <u>check out this video</u>)