50

wePsht (5)

$$Z = \frac{1}{30}$$
 Cockroaches
$$Z = \frac{1}{30}$$

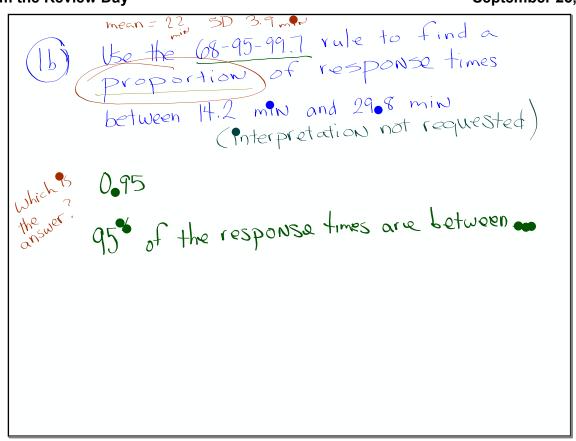
$$36 = \frac{55 - 50}{50}$$

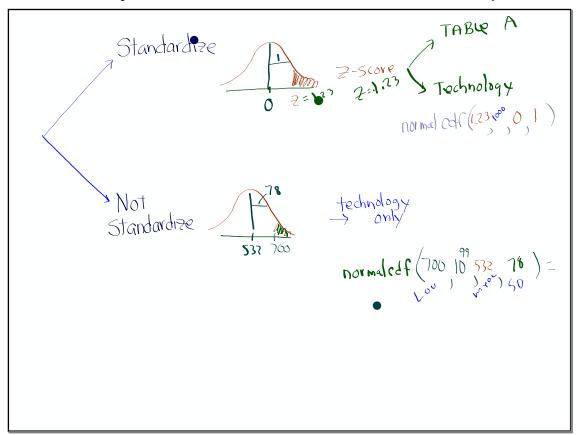
Tidbits from LCQ Percentile Summary Statements which is a correct interpretation?

The 80th percentile is at 25.26 minutes.

(true but not an interpret ation.)

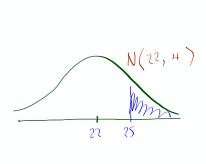
About 80 of response times are less than 25.28 minutes





Frappy!

- real benefits of doing and then comparing to actual rubric
  - benefits for tomorrow's test -moving forward.



## When finished

- Look at the Model Solution
- Look at the Scoring Rubirc and score your a, b, c, and d
  - Then score the 2 samples

ind a st	tandard deviation of 4 points.
(a)	What proportion of the students scored at least 25 points on this test?
ъ w	That is the 31st percentile of the distribution of test scores?

(c) The teacher wants to transform the test scores so that they have an approximately Normal distribution with a mean of 80 points and a standard deviation of 10 points. To do this, she will use a formula in the form:

$$new\ score = a + b\ (old\ score)$$

Find the values of a and b that the teacher should use to transform the distribution of test scores.

(d) Before the test, the teacher gave a review assignment for homework. The maximum score on the assignment was 10 points. The distribution of scores on this assignment had a mean of 9.2 points and a standard deviation of 2.1 points. Would it be appropriate to use a Normal distribution to calculate the proportion of students who scored below 7 points on this assignment? Explain.

- Do all review problems on pp. 147-148

- Check answers / watch video solutions as needed

Check answers / watch video solutions as Review assigning Review assigning as the tomorrow - 3,5,7 scores on each - total shown (35) - 12 1 each