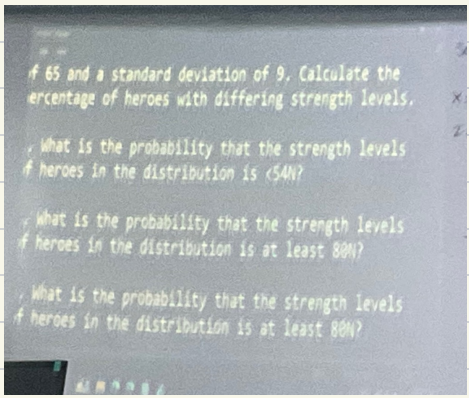


$\mu = 65$

$\sigma = 9$

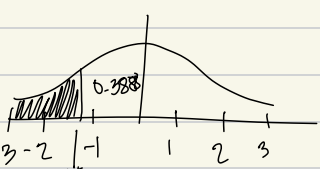
$z = \frac{x - \mu}{\sigma}$

1. $x = 54$

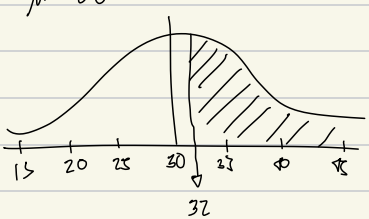
$z = \frac{54 - 65}{9}$

$= -1.22$

$z = 0.3888$



$\mu = 30 \quad \sigma = 5$



$x = 32$

$z = \frac{32 - 30}{5}$

$= 0.4$

$\hookrightarrow 0.1554$

$0.5 - 0.1554$

$= 0.3446$

percentile $= 0.5 + 0.1554$

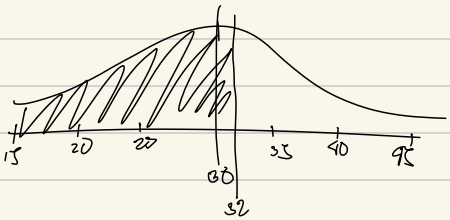
$= 0.6554$

$z = 0.5 - 0.3888$

$= 0.1112$

$\therefore$ At least 32 students who failed quiz are above 65.54% of data placing them at the 65.54th percentile

② Not more than 32 → $(x < 32)$



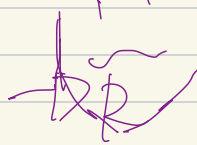
$0.1554 + 0.5$

$= 0.6554$

∴ Not more than 32 students who failed CC2 are below 34.46%. placing them at the 65.54 pth

Q1: ~~What percentage of the data provided in column G is a mobile number, email, socialmedia, others~~

Q2: What is the least chosen love language.
: Provide conclusion



qualitative Q3: What is the average internet speed (in Mbps) of the data of IT students compared to CS students

Q4: What is the top 3 favorite food from the data provided

→ What percentage of male and female smoke

→ How many inputs were irrelevant to the questions? and how many

→ What is the average allowance of male students

→ What is the average grade expectations of the students in IT vs CS and does this affect their expectation on the subjects difficulty.

→ do students with higher allowance have higher probability of having gift giving as their love language

How many hours do male vs female students walk