40.

TEST,

$$t = \frac{\bar{x} - h}{s}$$

$$= \frac{51.3 - 48}{1.2} = \frac{3.3}{0.3715} = \frac{8.6963}{510}$$

The degree of Freedom is

- · The critical value of "t" for one trail test at
  the 5% level of Significance and 9 degrees of freedom
  is 1.833,
  - · so, we redect the AVII hypotheris. Hence cancillate that there is sufficient evidence has the take provided is true. The belonge exceeds 48 mpa.