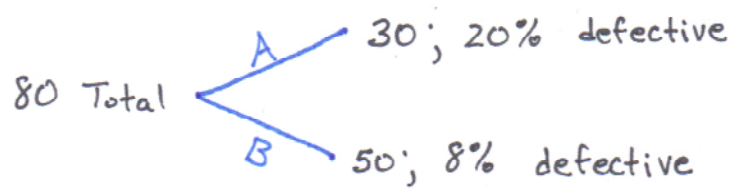


Problem 132



$$\begin{aligned} \text{Total number defective} &= 30(.2) + 50(.08) \\ &= 10 \end{aligned}$$

$P(2 \text{ of } 5 \text{ defective})$

2 defective  $\hookrightarrow$   $\binom{10}{2}$   $\binom{70}{3}$   $\leftarrow$  3 non-defective

$$P = \frac{\binom{10}{2} \binom{70}{3}}{\binom{80}{5}}$$

$$= .102$$

C