The difference between float and fixed GPS solutions is that:

- A. $N$ is solved in the fixed solution but not in the float solution.
- B. $N$ is solved in the float solution but not in the fixed solution.
- C. The float solution is more accurate.
- D. The float solution uses the C/A code, while the fixed solution uses the L1 signals.

The CORRECT ANSWER IS: A
Solution 50, p. 44:
Reference: NCEES FS Reference Handbook, Error Propagation

Error is "error of a sum", similar to a long line measured in parts and an error in each part.

\[ \sigma_{\text{sum}} = \sqrt{\sigma_1^2 + \sigma_2^2 \cdots + \sigma_n^2} \]
\[ \sigma_{\text{sum}} = \sqrt{0.15^2 + 0.20^2 + 0.15^2 + 0.20^2} \]
\[ \sigma_{\text{sum}} = \sqrt{2(0.15)^2 + 2(0.20)^2} \]
\[ \sigma_{\text{sum}} = 0.35 \]

THE CORRECT ANSWER IS: C