

A 5th grade class is getting ready for decimals by adding decimal fractions. Jake adds two mixed numbers and shows his work below.

$$94 \frac{8}{100} + 16 \frac{3}{10} = 110 \frac{1}{10}$$

$$\begin{array}{r} \wedge \\ 94 \frac{8}{100} \end{array} \quad \begin{array}{r} \wedge \\ 16 \frac{3}{10} \end{array}$$

$$94 + 16 = 110$$

$$\frac{8}{100} + \frac{3}{10} = \frac{11}{110} = \frac{1}{10}$$

$$110 + \frac{1}{10} = 110 \frac{1}{10}$$

After checking his work, Jake realizes he made a mistake. Explain what common mistake Jake made.

Show how Jake can fix his mistake.