

Ex 5 Average of Salaries for Accountant
in Salt Lake City and San Diego is \$47,449.50

San Diego salary exceeded Salt Lake City salary
by \$5333.

$$SLC + 5333 = SD$$

$$2 \left(\frac{SLC + SD}{2} \right) = (47,449.50) \cdot 2$$

$$SLC + \textcircled{SD} = 94,899$$

$$SLC + (SLC + 5333) = 94,899$$

$$2(SLC) + 5333 = 94,899$$

$$\begin{array}{r} -5333 \\ \hline \end{array}$$

$$\frac{2(SLC)}{2} = \frac{89,566}{2}$$

$$SLC = \$44,783$$

$$SLC + 5333 = SD$$

$$44,783 + 5333 =$$

\$50,116 San Diego
Salary
Accountant

Check: $\frac{SLC + SD}{2} = \frac{44,783 + 50,116}{2} = 47,449.50 \checkmark$

Steps to Solve Application Problem

- ① Read
- ①A Chart or Diagram
- ② Assign Variables
- ③ Write equations
- ④ Solve
- ⑤ Answer the question
- ⑥ Check back in original
word problem.