

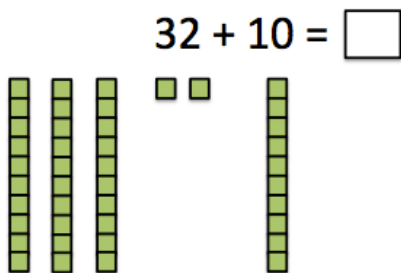
Use place value understanding and properties of operations to add and subtract (Standards 4–6).

Standard 1.NBT.5 Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.

Key Elements: Finding 10 more or 10 less

Manipulatives: Before students can mentally add 10 more or 10 less, they may need to see it modeled with base ten blocks first. Using the base ten blocks paired with the written equations will help students discover patterns. They will notice that only the tens digit changes (either increase or decrease based on the operation).

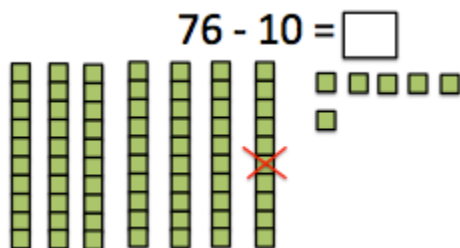
Adding a 10



$$\begin{array}{r} 32 \\ + 10 \\ \hline 40 \\ + 2 \\ \hline 42 \end{array}$$

I know $3 + 1 = 4$, so 3 tens plus one ten is four tens, or 40.
Then $40 + 2$ more ones is 42.

Subtracting a 10



$$\begin{array}{r} 76 \\ - 10 \\ \hline 60 \\ + 6 \\ \hline 66 \end{array}$$