

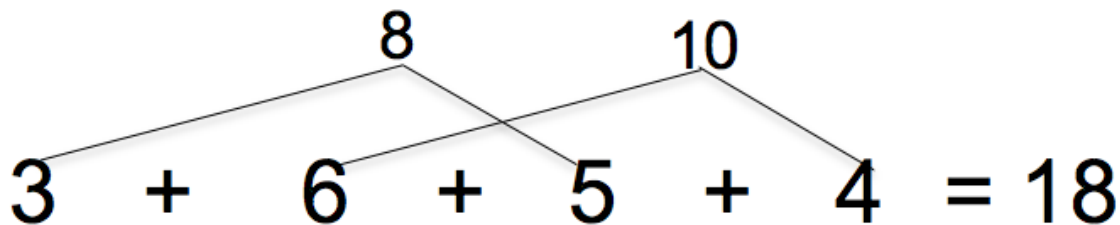
They use place value understanding and properties of operations to add and subtract (Standards 2.NBT.5–9).

Standard 2.NBT.6 Add up to four two-digit numbers using strategies based on place value and properties of operations.

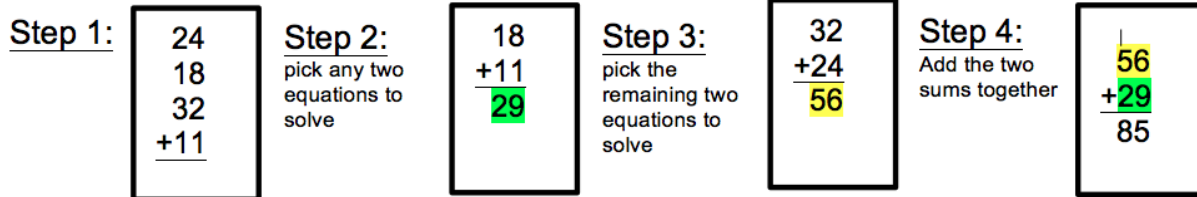
Key Elements: Using different strategies, students need to add three and four two-digit numbers.

In first grade students added three one-digit numbers together. Before having students add three and four two-digit numbers together, review strategies learned from first grade.

Note: students look for patterns of making tens, adding doubles, doubles plus one, add numbers they know quickly, etc. The key is to not add numbers in order. Students can use this skill when adding two-digit numbers.



Adding Strategies: Breaking the problem into smaller problems



Adding place values: add the tens together, add the ones together, and add the total tens and ones together.

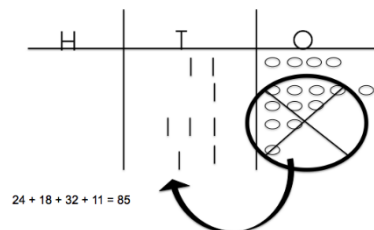
$$24 + 18 + 32 + 11 =$$

$$20 + 10 + 30 + 10 = 70$$

$$4 + 8 + 2 + 1 = 15$$

$$70 + 15 = 85$$

Draw a picture using a place value drawing: Students have used this strategy to add two,



two-digit numbers.