

Using Mental Math to Add

You can break apart numbers to make them easier to add mentally.

Add $31 + 45$ by breaking apart numbers.

Break the numbers into tens and ones.

	tens		ones
$31 =$	30	$+$	1

$45 =$	40	$+$	5
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Add the tens: $30 + 40 = 70$.

Add the ones: $1 + 5 = 6$.

Add the sums: $70 + 6 = 76$.

So, $31 + 45 = 76$.

Add $26 + 17$ by breaking apart numbers to make a ten.

Use a number that adds with the 6 in 26 to make a 10.

Since $6 + 4 = 10$, use 4.

Think: $17 = 4 + 13$.

Add $26 + 4 = 30$.

Add $30 + 13 = 43$.

So, $26 + 17 = 43$.

Find each sum using mental math.

1. $24 + 71 =$ _____ 2. $36 + 43 =$ _____ 3. $54 + 23 =$ _____

4. $25 + 49 =$ _____ 5. $37 + 56 =$ _____ 6. $77 + 13 =$ _____

7. **Communicate** To add $32 + 56$, Juanita first added $30 + 50$.

What two steps does she still need to do to find the sum?

What is Juanita's sum?

8. **Reason** How can Steve add $48 + 34$ by making a ten?

What is the sum?
