

# 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**

$$31 = 30 + 1$$

$$45 = 40 + 5$$

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.  $24 + 71 = \underline{95}$       2.  $36 + 43 = \underline{79}$       3.  $54 + 23 = \underline{77}$

4.  $25 + 49 = \underline{74}$       5.  $37 + 56 = \underline{93}$       6.  $77 + 13 = \underline{90}$

7. **Number Sense** 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?

**She needs to add  $2 + 6 = 8$**

**and then  $80 + 8 = 88$ .**

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

What is the sum?

**Steve can break apart 34 as  $32 + 2$ , so**

**he can make a ten by adding  $48 + 2 =$**

**50. Then he can add  $50 + 32 = 82$ .**