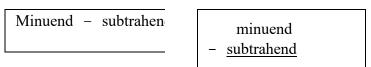# Adding and Subtracting Whole Numbers: Applications

The addition table must be known—see the table included at the back of this worksheet. It is easier to write addition and subtraction of large numbers vertically.

REMEMBER: 1. Order of addends does not matter.

Minuend − subtrahend

minuend
− subtrahend

2.   Order *does* matter in subtraction. USE:

3.   The numbers in each column must have the same place value.

I. **PROBLEMS** to add and subtract: Try adding and subtracting without a calculator. Check yourself by using the calculator.

1-3.   ADD:

1.   1,648
    263
+ 5,942

2. 89 + 47 + 20

3. 542 + 9,064 + 4,001

4-6.   SUBTRACT:

4.   583
− 241

5.   6094
− 3629

6. 380 − 192

II. **APPLICATIONS**:

Before you start:
1. An understanding of the operations is needed to use addition and subtraction in applications. READ the definition of each operation in your text.

2. The word problem must be read carefully so that you will know what numbers are known; what number is to be found and what operation(s) must be used to find the answer.

There are key words that will imply addition or subtraction.

ADDITION	SUBTRACTION
sum, total – these are answers for addition	difference - the answer to subtraction
deposit - amount added to your account balance	what remains?
	deduction - amount subtracted from your balance

COMMON SENSE can help - **USE IT!**

Think about what is happening in this "real world" situation so you'll use the correct operation with the correct numbers!

PROBLEMS:

1. Find the sum of 438 and 279.

2. Find the difference between 438 and 279.

3. I had $740 in the bank. I deposited $72. Find my new balance.

4. I had $283 in the bank. I wrote a check for $75. Find my new balance.

PROBLEMS (continued):

5. I started the week with a balance of $436.   Monday I wrote checks for $50 and $12. Tuesday I made a deposit of $78 and wrote a check for $126. Thursday I wrote checks for $47 and for $6.
    Friday I made a deposit of $54. Find my new balance. (There is more than one way to do this.)   Suggested way: 1. Find the total of all checks.

    2. Find the total of all the deposits.
    3. ADD the deposit total to the original balance.
    4. SUBTRACT the check total from the balance you got in STEP 3.

6. Before starting to school, Joan saw that her odometer read 42,794 miles. When she got to school the odometer read 42,801 miles. How far did she drive to school?

7. The odometer of Sean's car read 28,258 miles. What will his odometer read after a 694 mile trip?

8. Mr. Poore's total monthly salary is $1,847. Find the amount of his take home check if his monthly deductions are $374 for taxes, $65 for insurance and $100 for savings.

ANSWERS:

I. 1. 7,853
    2. 156
    3. 13,607
    4. 342
    5. 2,465
    6. 188

II. 1. 717
     2. 159
     3. $ 812
     4. $ 208
     5. $ 327
     6. 7 miles
     7. 28,952
     8. $ 1,308

Addition Table

+	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12	13
2	2	3	4	5	6	7	8	9	10	11	12	13	14
3	3	4	5	6	7	8	9	10	11	12	13	14	15
4	4	5	6	7	8	9	10	11	12	13	14	15	16
5	5	6	7	8	9	10	11	12	13	14	15	16	17
6	6	7	8	9	10	11	12	13	14	15	16	17	18
7	7	8	9	10	11	12	13	14	15	16	17	18	19
8	8	9	10	11	12	13	14	15	16	17	18	19	20
9	9	10	11	12	13	14	15	16	17	18	19	20	21
10	10	11	12	13	14	15	16	17	18	19	20	21	22
11	11	12	13	14	15	16	17	18	19	20	21	22	23
12	12	13	14	15	16	17	18	19	20	21	22	23	24