Unit 5 Addition Within 1000

Unit 5(a): Addition Within 1000 Without Regrouping

TEACHING AIDS

You will need:

1. A place value chart (hundreds, tens, ones)
2. Teacher's abacus
3. Pupil's abacus

TEACHING STEPS

1. Teacher shows how to add using a place value chart. The following number sentence is given:

$$734 + 53 = ?$$

2. Rewrite the number sentence in a place value chart:

734 = 700 + 30 + 4
      = 7 hundreds + 3 tens + 4 ones

hundreds	tens	ones
7	3	4
+	5	3

53   = 50 + 3
     = 5 tens + 3 ones

Add the ones first:
4 ones + 3 ones = 7 ones

hundreds	tens	ones
7	3	4
+	5	3
		7

Then add the tens:
3 tens + 5 tens = 8 tens

hundreds	tens	ones
7	3	4
+	5	3
	8	7

Next, add the hundreds:
7 hundreds + 0 hundreds= 7 hundreds

hundreds	tens	ones
7	3	4
+	5	3
7	8	7

3. Complete the number sentence:

$$734 + 53 = 787$$

4. Have pupils perform the same calculation using the abacus.
5. Pupils do Worksheet 5a.

Worksheet 5(a)
Addition Without Regrouping

Name : ....   Date: ....

Solve these problems by using the vertical form.

215 + 4 =	490 + 9 =
254 + 40 =	362 + 27 =
171 + 400 =	506 + 160 =
630 + 263 =	413 + 372 =

Unit 5(b): Addition With Regrouping

TEACHING AIDS

You will need:

2. A place value chart (hundreds, tens, ones)
3. Teacher's abacus
4. Pupil's abacus

TEACHING STEPS

1. Teacher shows how to add using a place value chart. The following number sentence is given:

$$734 + 69 = ?$$

Rewrite the number sentence in a place value chart

734 = 700 + 30 + 4
     = 7 hundreds + 3 tens + 4 ones

69 = 60 + 9
   = 6 tens + 9 ones

hundreds	tens	ones
7	3	4
	6	9
+ | | |

Add the ones:

4 ones + 9 ones = 13 ones
              = **1** tens **3** ones

(Write the digits 1 and 3 in the tens and ones place value respectively)

hundreds	tens	ones
7	3	4
	6	9
	1	
		3

Add the tens**:**

3 tens + 6 tens + 1 tens = 10 tens
                        = **1** hundreds 0 tens

(Write *1* in the hundreds place value and 0 in the tens place value)

hundreds	tens	ones
7	3	4
	6	9
1	1	
	0	3

Add the hundreds:

7 hundreds + 1 hundreds = 8 hundreds

hundreds	tens	ones
7	3	4
	6	9
+ 1	1	
8	0	3

2. Complete the number sentence:

$$734 + 69 = 803$$

3. Have pupils perform the same calculation using the abacus.
4. Pupils complete Worksheet 5(b).

Worksheet 5(b)
Addition With Regrouping.

Name : ....   Date: ....

Solve these problems by using the vertical form.

132 + 28 =	257 + 45 =
223 + 296 =	837 + 184 =
565 + 358 =	50 + 860 =
724 + 197 =	558 + 442 =

Test 5

Solve these problems.

1)
   154
+ 641
_____

2)
   123
+ 426
_____

3)
   268
+ 711
_____

4)
   167
+ 124
_____

5)
   128
+ 338
_____

6)
   416
+ 168
_____

7)
   489
+ 343
_____

8)
   139
+ 665
_____

9)
   474
+ 289
_____

10)
   279
+ 154
_____

11)
   267
+ 357
_____

12)
   587
+ 157
_____