

Unit 11 Subtraction Within 10 000

Unit 11(a): Subtraction Without Regrouping

TEACHING AIDS

You will need:

1. A Place Value Chart (hundreds, tens, ones)
2. Teacher's abacus
3. Pupils abacus

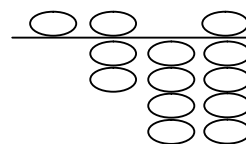
TEACHING STEPS

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

$$5749 - 2043 = ?$$

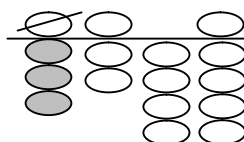
2. Write the number sentence in the place value chart.

	thousands	hundreds	tens	ones
-	5	7	4	9
	2	0	4	3

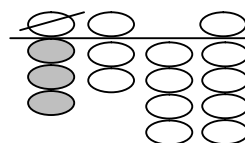


3. For subtraction without regrouping, guide pupils to apply their knowledge of basic subtraction facts to each place value beginning with the digits in the highest place value.

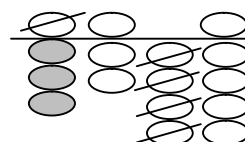
	thousands	hundreds	tens	ones
-	5	7	4	9
	2	0	4	3
	3			



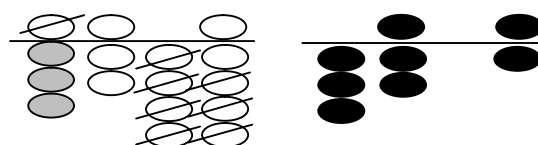
	thousands	hundreds	tens	ones
-	5	7	4	9
	2	0	4	3
	3	7		



	thousands	hundreds	tens	ones
-	5	7	4	9
	2	0	4	3
	3	7	0	



	thousands	hundreds	tens	ones
-	5	7	4	9
	2	0	4	3
	3	7	0	6



4. The complete number sentence is as follows:

$$5749 - 2043 = 3706$$

5. Repeat 1 – 4 steps using other examples.
6. Pupils complete Worksheet 11(a).

Worksheet 11(a)

Subtraction Without Regrouping

Name : Date:

Solve these problems using the vertical form.

$4133 - 2 =$	$2160 - 40 =$
$6276 - 23 =$	$1364 - 40 =$
$1971 - 400 =$	$1536 - 103 =$
$2633 - 210 =$	$3473 - 310 =$

Unit 11(b): Subtraction With Regrouping

TEACHING AIDS

You will need:

4. A Place Value Chart (hundreds, tens, ones)
5. Teacher's abacus
6. Pupils abacus

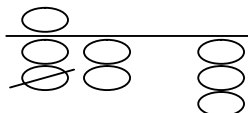
TEACHING STEPS

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

$$7203 - 1925 = ?$$

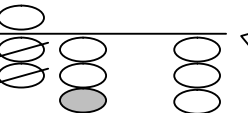
2. Write the number sentence in the place value chart.

thousands	hundreds	tens	ones
7	2	0	3
1	9	2	5
6			



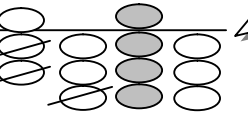
7 thousands – **1** thousands = **6** thousands

thousands	hundreds	tens	ones
7	12	0	3
1	9	2	5
6	3		



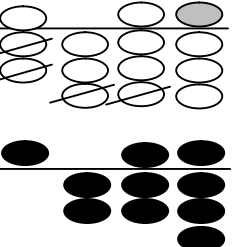
2 hundreds – **9** hundreds, not enough, so take 1 thousand from 6 thousands and move it to 2 hundreds.
12 hundreds – **9** hundreds = **3** hundreds

thousands	hundreds	tens	ones
7	2	10	3
1	9	2	5
5	3	8	



0 ten – **2** tens not enough, so take 1 hundred from 3 hundreds and move it to 0 tens.
10 tens – **2** tens = **8** tens

thousands	hundreds	tens	ones
7	2	0	13
1	9	2	5
5	2	8	8



3 ones – **5** ones, not enough so move 1 ten from 8 tens to 3 ones.
13 ones – **5** ones = **8** ones

3. Complete the number sentence

$$7203 - 1925 = 5278$$

4. Pupils complete Worksheet 11(b.)

Worksheet 11(b)

Subtraction With Regrouping

Name : Date:

Solve these problems using the vertical form.

$3215 - 7 =$	$4293 - 18 =$
$4254 - 69 =$	$5364 - 78 =$
$1276 - 284 =$	$9166 - 3546 =$
$5274 - 4637 =$	$4143 - 2467 =$

Test 11

Name : Date:

Solve these problems.

1)
$$\begin{array}{r} 6312 \\ - 5924 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 4342 \\ - 2793 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 6124 \\ - 5245 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 3521 \\ - 1244 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 6532 \\ - 3179 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 7821 \\ - 5732 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 2677 \\ - 2349 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 1485 \\ - 1327 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 1744 \\ - 1119 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 8387 \\ - 8342 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 3716 \\ - 3404 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 6886 \\ - 4881 \\ \hline \end{array}$$