

Subtraction Within 100

No re-grouping

Pre-Requisite

Subtraction within 20

Place Value

Grade Level

Second Grade

Videos

Subtraction Double Digits

Subtraction Unknown
Number

Subtracting Word Problems

Materials

Blocks

Worksheets (included)

Videos (included)

Objectives

Subtract within 100

Finding the unknown

Re-grouping

1 RESOURCES AND STANDARDS

1.1 WORKSHEETS

No-Regrouping

Subtracting with Blocks

Subtraction with a Place Value Chart

Place Value Chart (print out)

Subtracting the Traditional Way

Subtracting Base 10

Finding the Unknown

1.2 VIDEOS

[Subtraction Double Digits](#)

[Subtraction Unknown Number](#)

[Subtracting Word Problems](#)

1.3 STANDARDS:

CCSS.MATH.CONTENT.2.OA.A.1

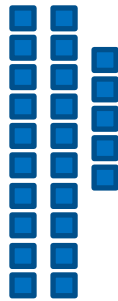
CCSS.MATH.CONTENT.2.OA.B.2

2 SUBTRACTING WITHIN 100 (NO RE-GROUPING)

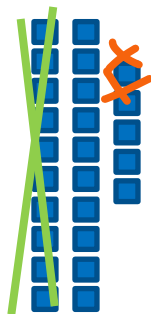
2.1 USING BLOCKS

1. Write out the following problem $25 - 12 =$
2. Ask students to take out 2 ten blocks and 5 one blocks. Ask them to put those together
3. Ask students to now subtract (remove) 1 ten block and 2 one's blocks.
4. Ask students to move the remaining blocks after the = sign and count the blocks.
5. $25 - 12 = 13$

$$25 - 12 = ?$$



$$25 - 12 = ?$$

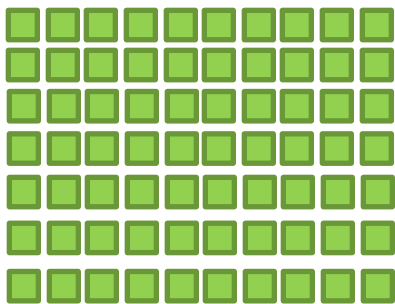


$$25 - 12 = 13$$

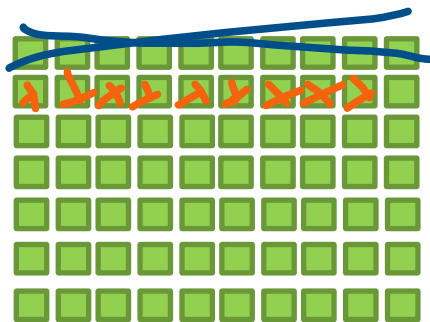


2. Write out the following problem

1. $70 - 19 =$

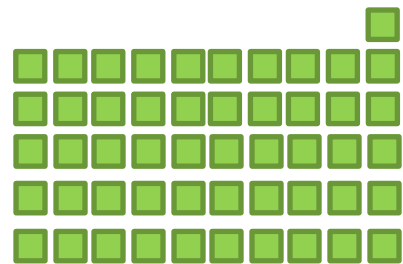


$$70 - 19 = ?$$



$$70 - 19 = ?$$

$$70 - 19 = 51$$



Do a few more problems, watch the video [Subtraction Double Digits](#) complete the Subtracting with Blocks worksheet.

2.2 NO BLOCKS (PLACE VALUE CHART)

1. Write out the following problem $39 - 11 =$
2. Have the students print out a Printable Place Value Chart (included)
3. Ask students to write down the 3 in the tens place and the 9 in the ones place

Tens	One
3	9

4. Directly below that have them write down a 1 in the tens place and a 1 in the ones place

Tens	One
3	9
1	1

5. Subtract the numbers in the one's place first.

Tens	One
3	9
1	1
	8

6. . Subtract the numbers in the ten's place. Your answer is 28

Tens	One
3	9
1	1
2	8

Do a few more problems and complete the Subtract with Place Value Chart worksheet.

2.3 WITHOUT PLACE VALUE CHART OR BLOCKS

2.3.1 Example 1: Traditional Way

*Note: The traditional way is the same process as with place value chart.

1. Write out the following problem $39 - 11 =$
 - Have the students write out 39.
 - Then write 11 directly under the 39, matching up the ones and tens place
 - Have them subtract the ones place first
 - Next, subtract the tens place
 - $39 - 11 = 28$

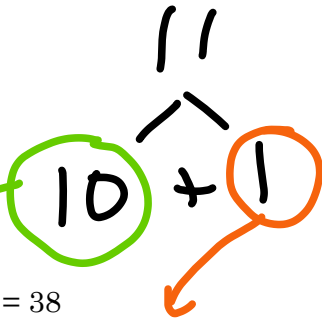
Step 1
39
-11
8

Step 2
39
-11
28

Do a few more problems and complete the Subtracting the Traditional Way worksheet

2.3.2 Example 2: Base 10

1. Write out $39 - 11 =$
2. Decompose 11 (the number being subtracted)



3. $39 - 1 = 38$

$$39 - 1 = 38$$

4. $38 - 10 = 28$

$$38 - 10 = 28$$

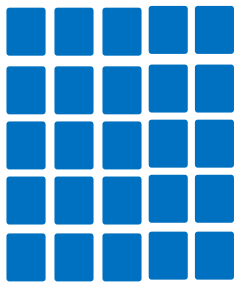
Do a few more problems, watch the video [Subtraction Double Digits](#) and complete the Subtracting Using Base 10 worksheet.

3 FINDING THE UNKNOWN

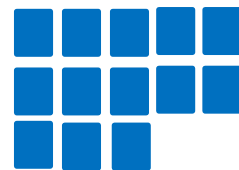
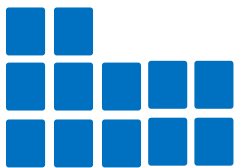
3.1 WITH BLOCKS

1. Ask students to write down the following $25 - X = 13$
2. Explain that the X is holding the place for an unknown number.
3. Ask students to place 25 blocks under the 25
4. Ask students to take 13 of the 25 blocks and place them under the 13
5. Ask students to place the remaining blocks under the 25 under the X.
6. Ask students to count the blocks.
7. The answer is $X = 12$

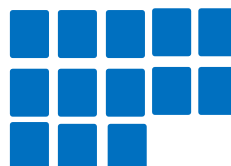
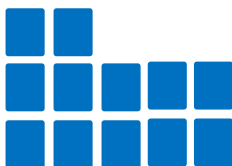
$$25 - X = 13$$



$$25 - X = 13$$



$$25 - X = 13$$



$$X = 12$$

Watch the video [Subtraction Unknown Number](#) and complete the worksheet Finding the Unknown.

4 SUBTRACTING WORD PROBLEMS

1. Write down a word problem on the board or a piece of paper.
2. Read the problem out loud.
3. Write out the following under the word problem
 - What is the question?
 - What are the numbers we will need or be using?
 - How many was taken away (subtracted)?
 - What is the operation?
4. Underline or highlight the answers to the question above.
5. Write down the answer to the word problem.

Example: Issy had 25 candy bars. Zach ate 13 of those candy bars. How many candy bars does Issy have left?

Issy had 25 candy bars and Zack ate 13 of those candy bars. How many candy bars does Issy have now?

25

Candy bars Issy
had/ Original
amount

-

Operation

13

Candy bars
Zack ate

=

12

How many candy
bars Issy has now?

Do a few more problems and watch the video [Subtracting Word Problems](#).

Name: _____

Subtracting with Blocks

Date: _____

Materials needed: Blocks

Class: _____

Example: $20 - 10 =$

Step 1: Lay out 2 tens blocks. Step 2: Subtract 1 tens block. Step 3: move remaining blocks after the = sign and count. That is your answer.

Step 1: $20 - 10 =$ **Step 2:** $20 - 10 =$ **Step 3:** $20 - 10 = 10$



Your Turn:

$62 - 12 =$

$75 - 13 =$

$90 - 6 =$

$77 - 23 =$

$59 - 10 =$

$100 - 0 =$

$79 - 11 =$

$35 - 14 =$

$89 - 9 =$

Subtraction with a Place Value Chart

Name: _____

Date: _____

Class: _____

Example: $38 - 15 =$

Tens	Ones
3	8
1	5
2	3

Step 1: Write 38 in the box by placing the 3 in the ten's column and the 8 in the one's column.

Step 2: Write 15 in the box by placing the 1 in the ten's column and the 5 in the one's column.

Step 3: Subtract the numbers in the one's column.

Step 4: Subtract the numbers in the ten's column

$$38 - 15 = 23$$

Your Turn:

$45 - 14 =$

Tens	Ones

$93 - 2 =$

Tens	Ones

$85 - 13 =$

Tens	Ones

$28 - 0 =$

Tens	Ones

$76 - 23 =$

Tens	Ones

$10 - 18 =$

Tens	Ones

Place Value Chart (print out)

Hundreds	Tens	Ones

Subtracting the Traditional Way

Name: _____

Date: _____

Class: _____

$$\begin{array}{r} 28 \\ - 11 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ - 64 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ - 23 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 70 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ - 31 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ - 10 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ - 51 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ - 46 \\ \hline \end{array}$$

Subtracting Using Base 10

Name: _____

Date: _____

Class: _____

Example: $45 - 24$

Step 1: Decompose the 2nd number (24)

Step 2: Subtract the ones place

$$45 - 4 = 41$$

Step 3: Subtract the ten's place

$$41 - 20 = 21$$

$$\begin{array}{r} 45 - 24 \\ / \backslash \\ 20 + 4 \end{array}$$

Your Turn:

$$32 - 12 =$$

Step 1: 12



Step 2:

$$32 - \underline{\quad\quad} = \underline{\quad\quad}$$

Step 3:

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$58 - 38 =$$

Step 1: 38



Step 2:

$$58 - \underline{\quad\quad} = \underline{\quad\quad}$$

Step 3:

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

$$99 - 67 =$$

Step 1: 67

Step 2:

$$99 - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

Step 3:

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

$$69 - 41 =$$

Step 1: 41

Step 2:

$$69 - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

Step 3:

$$\underline{\quad\quad\quad} - \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

Finding the Unknown

Name: _____

Date: _____

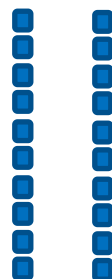
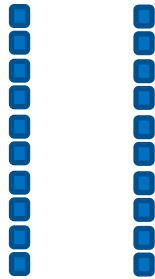
Materials needed: Blocks

Class: _____

Example: $20 - X = 10$

Step 1: Lay out 2 tens blocks. Step 2: Move 1 tens block under the 10. Step 3: move remaining blocks after the X and count. That is your answer.

Step 1: $20 - X = 10$ **Step 2:** $20 - X = 10 =$ **Step 3:** $20 - 10 = 10$



Your Turn:

$$62 - X = 50$$

$$75 - X = 25$$

$$90 - X = 80$$

$$77 - X = 23$$

$$59 - X = 49$$

$$100 - X = 99$$

$$79 - X = 71$$

$$35 - X = 14$$

$$89 - X = 63$$