

NAME _____

Module 2 Whole Number Operations
Lesson 2 Large Numbers: Subtraction

Lesson Objective

- Develop and use a variety of algorithms with computational fluency to perform whole number operations using subtraction (up to five-digit numbers), including real-world problems.

Subtopics 1 and 2

Understanding Regrouping and Subtraction Using Blocks

Solve.

1 $211 - 38$

$$\begin{array}{r} 10 \\ 1 \cancel{0} 11 \\ - 38 \\ \hline 173 \end{array}$$

2 $301 - 142$

$$\begin{array}{r} 9 \\ 2 \cancel{0} 11 \\ - 142 \\ \hline 159 \end{array}$$

Subtopic 3

Column Subtraction Method

Column Subtraction Method

- Subtract one place value column at a time.
- Begin with ones place and work to the left.
- Regroup each place value as needed.

Use Column Method to solve.

- 3** Miguel is saving to buy a computer that costs \$1,496. He has saved \$832. How much more money does Miguel need to save?

0	14		
$\cancel{1}$	4	9	6
	8	3	2
	6	6	4

Miguel needs to save \$664.



Ashley has collected 57 shells. Rachel has collected 366 shells. How many more shells has Rachel collected?

$$\begin{array}{r|l}
 & 5 \quad 1 \quad 6 \\
 3 & \cancel{6} \\
 - & 5 \quad 7 \\
 \hline
 3 & 0 \quad 9
 \end{array}$$

309 more shells

Subtopic 4 Counting Up Method for Subtraction

Counting Up Method for Subtraction

- Start with the number that is being subtracted and decide by how much you
- want to count up first.
- Count up, writing down each count up amount.
- Stop when you reach the number from which you are subtracting.
- Find the total of all the count up amounts.

Use Counting Up Method to solve.



Galaxy Stadium has 6,005 seats. Milky Way Park has 5,280 seats. How many more seats are in Galaxy Stadium?

$$\begin{array}{r}
 6005 \\
 - 5,280 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 + 20 \\
 + 705 \\
 \hline
 725
 \end{array}
 \qquad
 \begin{array}{r}
 5,280 \\
 5,300 \\
 6,005
 \end{array}$$

725 more seats



The drama club's goal is to sell 650 tickets. They have sold 473 tickets. How many more tickets does the drama club need to sell to reach the goal?

$$\begin{array}{r}
 650 \\
 - 473 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 + 27 \\
 + 150 \\
 \hline
 177
 \end{array}
 \qquad
 \begin{array}{r}
 473 \\
 500 \\
 650
 \end{array}$$

177 more tickets