

Name \_\_\_\_\_

Date \_\_\_\_\_

## Grade 3, Unit 2: Adding and Subtracting Whole Numbers

### Study Guide

Dear Parents,

Listed below are the **Secure** skills that the students will be responsible for in Unit 2. Students are expected to demonstrate understanding of the **Secure** skills and these are the basis of the unit assessment grade. ***As always, basic fact review is important.***

\*The following will help you to prepare for your unit assessment.

\*As you work through this study guide, please write any questions down that you have and we will go over them the week of the test.

Outcome	Example	Resources/Opportunities for Practice								
Demonstrate proficiency with addition, subtraction, multiplication, and division basic facts, and demonstrate fluency with extended facts.	Complete a fill in the blank with basic and extended facts.	<b>Journal</b> p. 44 (1,2), 49 (1)								
Complete a function table using a given addition or subtraction rule.	Rule: -6 <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">In</th> <th style="text-align: center;">Out</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">36</td> <td></td> </tr> <tr> <td style="text-align: center;">42</td> <td></td> </tr> <tr> <td style="text-align: center;">18</td> <td></td> </tr> </tbody> </table>	In	Out	36		42		18		<b>Journal</b> p. 34, 38 (4), 41 (2), 53 (2) <b>SRB</b> p. 200-201, 202-204
In	Out									
36										
42										
18										
Make and test generalizations.	Identify the rule for a function table.	<b>Journal</b> p. 33 (4), 34, 44 (4), 46 (2), 49 (4) <b>SRB</b> p. 200-201, 202-204								
Represent relationships using appropriate relational symbols (<, >, or =) and operational symbols (+, -, x, ÷) on either side.	Given multiple numbers, use several numbers to write a name for a target number. Ex: 2, 4, 8, 1, 3      Target number = 7 $2 + 1 + 4 = 7$	<b>Journal</b> p. 41 (4), 46 (4), 48, 53 (4) <b>SRB</b> p. 14-15 <b>Games</b> Name That Number <b>SRB</b> p. 299-300								
Solve addition and subtraction word problems.	<b><i>Solve number stories. You can use diagrams, pictures, or other things to help you.</i></b> Lisa read for 30 minutes on Saturday. She read for 47 minutes on Sunday. How many more minutes did she read on Sunday.	<b>Journal</b> p. 33 (2), 35 (4), 36-37, 38 (2), 39-40, 41 (5), 42, 44 (5), 46 (5), 49 (5), 51-52, 53 (5) <b>SRB</b> p. 250-258								
Tell time in days, hours, minutes, and seconds.	Draw hands on a clock to show the time.	<b>Journal</b> p. 35 (5), 44 (3), 49 (3) <b>SRB</b> p. 174-175								

Identify the place value of a digit in a whole number.	In the number 6,932 the 6 means _____ the 2 means _____	<b>Journal</b> p. 46 (3), 53 (3) <b>SRB</b> p. 18-21 <b>Games</b> Number Top-It SRB p. 302-303
Support or refute mathematical statements of solutions.	Explain why an answer is correct using words and/or numbers in the explanation.	
Demonstrate proficiency with addition and subtraction basic facts.	Students will be given timed test of basic addition and subtraction facts. Focus on doubles +1, doubles +2, doubles, doubles -1, and doubles -2	<b>Journal</b> p. 30, 33 (1), 38 (1) <b>SRB</b> p. 50-51, 54-56 <b>Games</b> Addition Top-It SRB p. 270, Beat the Calculator SRB p. 278, Subtraction Top-It SRB p. 310-311, Missing Terms SRB p. 292
Subtract whole numbers using a variety of strategies.	Show and explain a strategy to solve a given problem. Ex: 230 - 27  <i>Strategies such as using base 10 blocks, empty number line, breaking up the problem, trade first, or thinking money could be demonstrated.</i>	<b>Journal</b> p. 13, 45, 47, 50 <b>SRB</b> p. 62-63, 190-194 <b>Games</b> Number Grid Difference SRB p. 301
Identify alternative ways to solve a problem.	Demonstrate and explain a <b>different</b> strategy to solve a problem. Ex: 230 - 27 1 <sup>st</sup> solution: Solve using the Trade First strategy 2 <sup>nd</sup> solution: Solve again using an empty number line	

The following skills are beginning/developing skills. They will be on the assessment but will **NOT** count toward your child's grade.

- Determine the reasonableness of sums and differences.
- Add whole numbers using a variety of strategies.
- Apply a variety of concepts, processes, and skills to solve problems.