Implementing Strategies to Address Common Word Problem Situations and Computation

Bradley J. Kaffar, Ph.D.
bjkaffar@stcloudstate.edu

Margaret A. Vanderwarn, M.S.
vama1203@stcloudstate.edu

St. Cloud State University

Margaret M. Flores, Ph.D., BCBA-D
mmf0010@auburn.edu

Auburn University

Common Problem-Solving Situations in Mathematics
Addition With Regrouping
Subtraction With Regrouping
Evidence-Based Strategies:
- **Explicit Instruction**
- **Cognitive Strategies**
- **Graduated Lesson Sequence**
- **Schema-Based Instruction**

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The "FAST RENAME" Strategy

Step 1: Find what you're solving for.

Step 2: Ask yourself, "What are the parts of the problem?"

Step 3: Set up the numbers.

Step 4: Tie down the sign.

Addition With Regrouping

Step 1: Read the problem.

Step 2: Examine the ones column: 10 or more, go next door.

Step 3: Note ones in the ones column.

Step 4: Address the tens column: 10 or more, go next door.

Step 5: Mark tens in the tens column.

Step 6: Examine and note hundreds; exit with a quick check.

"10 or More" Sentences

Adding the Ones:
If adding the numbers in the ones column results in 10 or more, regroup to form a ten (10 or more, go next door).

Adding the Tens:
If adding the numbers in the tens column results in 10 or more, regroup to form a hundred (10 or more, go next door).

Subtraction With Regrouping

Step 1: Read the problem.

Step 2: Examine the ones column: use the BBB Sentence for ones.

Step 3: Note ones in the ones column.

Step 4: Address the tens column: use the BBB Sentence for tens.

Step 5: Mark tens in the tens column.

Step 6: Examine and note hundreds; exit with a quick check.

BBB Sentences

BBB Sentence for Ones:
Bigger number on Bottom means Break down a ten and trade.

BBB Sentence for Tens:
Bigger number on Bottom means Break down a hundred and trade.

Learning Sheet 12

Describe and Model

1. Pat had 305 cans in the truck. He sold 196 cans to Ben. He got 218 tickets. How many cans does Pat have left in the truck?	
2. Emma rode 426 miles on a bus. Tom rode 288 miles on a bus. Tom rode how many miles less than Emma?	

Guided Practice

3. There are 267 girls and 268 boys at the school. There are 321 snacks in a box. How many children are at the school?	
4. Ella had 312 tools. She gave 125 tools to her brother. How many tools does Ella have left?	

Independent Practice

5. Matt caught 186 fish and saw 118 ducks. Joe caught 175 fish. How many fish were caught altogether?	
6. Eric had 228 coins in a bag. He put 172 more coins in the bag. How many coins are in the bag in all?	
7. Mom has 561 points. Joe has 127 caps and 373 points. Mom has how many more points than Joe?	

Computation Practice

8)	9)	10)
759 + 141	430 - 254	301 + 199

11)	12)
605 - 128	286 + 117

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