



Grade 2 SNAP Operation

Guess

Operation Rubric: Proficient

- Reasonable estimation provided

Curricular Content:
Estimating sums and differences to 100

Operation: $37 + 132$

Guess:

60

Curricular Content:
Estimating sums and differences to 100

Question: $21 + 34$

~~500~~

Curricular Content:
Estimating sums and differences to 100

Operation: $57 + 31$

$60 + 30 = 90$ ✓

Rationale:

- The ability to estimate helps students determine if their answer is within a reasonable range.

Note:

- Students need to only give an estimated answer to the addition equation.
- The estimated guess needs to be in “friendly numbers.”

Goal:

- Encourage students to provide an estimated addition statement for their guess.
Example: $23 + 64 \sim 20 + 60 = 80$



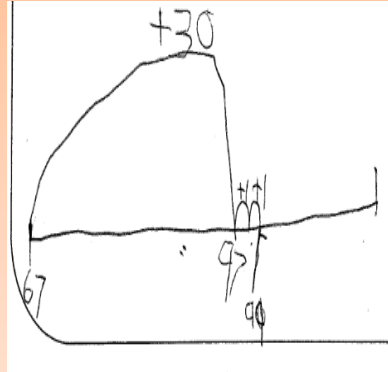
Grade 2 SNAP Operation

Draw

Operation Rubric: Proficient

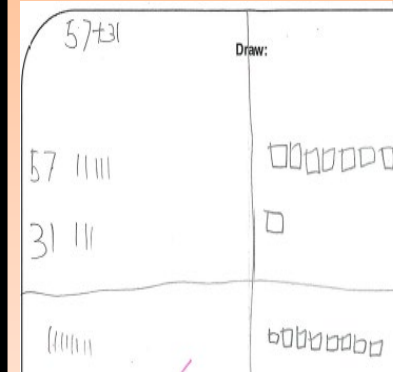
- Uses *grade appropriate* strategies to correctly solve the problem and show understanding

Curricular Content:
Decomposing numbers to 100



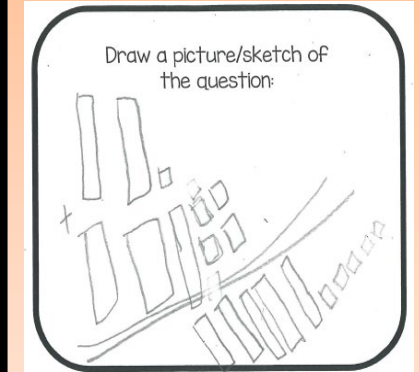
Question: $67 + 32$

Curricular Content:
Decomposing numbers to 100



Question: $57 + 31$

Curricular Content:
Decomposing numbers to 100



Question: $21 + 34$

Rationale:

- Students should be using flexible computation strategies, involving taking apart and combining numbers in a variety of ways.

Note:

- Replacing the numbers in the equation with Base Ten does not show the addition operation.

Goal:

- Have students demonstrate their understanding of addition through Base Ten, Number Line or the Bar Model.



Grade 2 SNAP Operation

Calculate

Operation Rubric: Proficient

- Uses *grade appropriate* strategies to correctly solve the problem and show understanding

Curricular Content:
Decomposing numbers
to 100

Solve the question

$$\begin{array}{r} 21 \\ + 34 \\ \hline 55 \end{array}$$

Curricular Content:
Decomposing numbers
to 100

Calculate:

Handwritten calculation showing 21 + 34 = 55 using a number line and decomposition.

Curricular Content:
Decomposing numbers
to 100

Calculate:

Handwritten calculation showing 56 = 50 + 6 and 23 = 20 + 3, followed by 70 + 9 = 79.

Rationale:

- Students are demonstrating their flexible understanding of the many different methods for addition.

Note:

- Students can show a different calculation method other than the Standard Algorithm in this section.

Goal:

- To move students into Extending, have them do more than one calculation using a different method for each one.



Create a Math Story

Operation Rubric: Proficient

- Real life example and connections to mathematical concepts are evident
- The example shows a clear connection to the operation

Grade 2 SNAP Operation

Curricular Content: Using addition and subtraction in real-life contexts and problem-based situations

Beginning	Middle	End
56 roses grew.	23 more roses grew.	Now there are 79 roses

Curricular Content: Using addition and subtraction in real-life contexts and problem-based situations

Beginning	Middle	End
I have 37 peas of veggie	And I bot 32 more	Now I have 69

Rationale:

- Through word problems and real life examples, students learn how to combine conceptual understanding of problems with the procedures they will need to solve them.

Note:

- Students only need to write a word problem, or a real life example. The real life example should be different than the one provided on the Number Sense SNAP.