Grade 2 SNAP Number Sense

Draw To Represent The Value Of The Number

Number Sense Rubric: Level 3

- Pictures are clearly communicated and represent the value of the number
- Accurate

Curricular Content: Shows understanding of 10's and 1's

Curricular Content: Shows understanding of 10's and 1's

Curricular Content: Shows understanding of 10's and 1's

Rationale:
- Students demonstrated they understand how a number can be decomposed into 10's and 1's.

Note:
- Students do not have to draw the value of the number in Base Ten. If they choose to make their own symbols, they need to include a value chart.

Goal:
- Students should organize the ones and tens together to show the combined value.
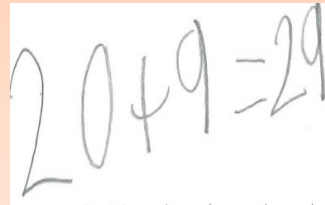
Grade 2 SNAP Number Sense

Write The Number In Expanded Form

Number Sense Rubric: Level 3

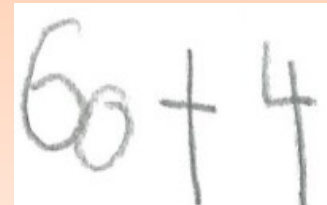- Accurately demonstrates the value of each digit

Curricular Content: Understanding the relationship between digit places and their value, to 99 (e.g., the digit 2 in 29 has the value of 20)

Curricular Content: Understanding the relationship between digit places and their value, to 99 (e.g., the digit 6 in 64 has the value of 60)

Curricular Content: Understanding the relationship between digit places and their value, to 99 (e.g., the digit 3 in 37 has the value of 30)

Rationale:
- Students have correctly identified the value of the Tens and Ones Place.

Note:
- Students can use words to express the value of the Tens and Ones.
- Students can "break apart" the values. For example: 10 +10 + 10 +7 = 37

Goal:
- Students should use numbers that are the most efficient when showing Expanded Form.

Grade 2 SNAP Number Sense

Create 3 Equations That Equal The Number

Number Sense Rubric: Level 3

- Accurately uses grade appropriate operations in all three equations

Curricular Content: Decomposing numbers to 100

$43 + 50 = 93$

$33 + 60 = 93$

$200 - 107 = 93$

Curricular Content: Decomposing numbers to 100

= 64

Curricular Content: Decomposing numbers to 100

Rationale:
- In Grade 2, students should be attempting to use strategies such as looking for multiples of 10 or friendly numbers.
- Addition and subtraction with 2-digit + 2-digit equations or 2-digit + 1-digit equations are grade level examples.

Note:
- The equation used in the Expanded Form box should not be counted as one of the three examples.

Goal:
- Encourage 2-digit equations for the examples.

Grade 2 SNAP Number Sense

Write a Real-Life Example

Number Sense Rubric: Level 3

- Connection to a real-life example is provided
- Demonstrates understanding of the number value

Curricular Content:
Understanding of 10s and 1s

37 apples in a box

Curricular Content:
Understanding of 10s and 1s

I have 29 Suffys

Curricular Content:
Understanding of 10s and 1s

63 marbls can fit in a cup that is 4 inchs tal and 3 inchs wide.

Rationale:
- Teaching real-life applications provides students context for their learning.

Note:
- The examples must be realistic and reasonable.

Goal:
- It is important that students demonstrate an understanding of value in their example.

Grade 2 SNAP Number Sense

Counting Forward and Backwards

Number Sense Rubric: Level 3

- Complete and accurate

Curricular Content:

Skip-counting by 2, 5, and 10

Using different starting points forward and backward

53
51
49
47
45
43
41
39
37

Count forwards by 2 from the number.

Curricular Content:

Skip-counting by 2, 5, and 10

Using different starting points forward and backward

117
107
97
87
77
67
57
47
37

Count forwards by 10 from the number.

Curricular Content:

Skip-counting by 2, 5, and 10

Using different starting points forward and backward

Count backwards by 2, 5 or 10 from the number (circle one).

93
91
89
87
85
83
81
79
77

Rationale:

- Counting forward and backwards helps students to understand the value of the number in relation to other numbers.

Goal:

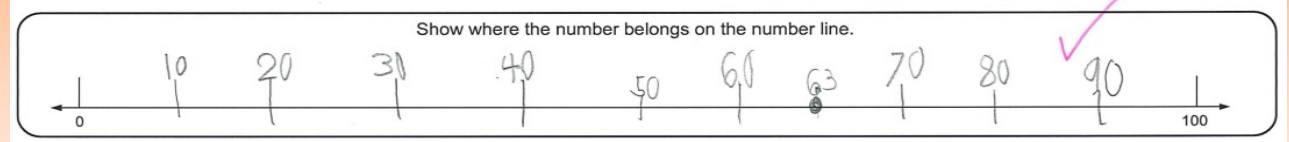- Students should be able to count forwards and backwards from a variety of starting points.

Grade 2 SNAP Number Sense

Number Line

Number Sense Rubric: Level 3
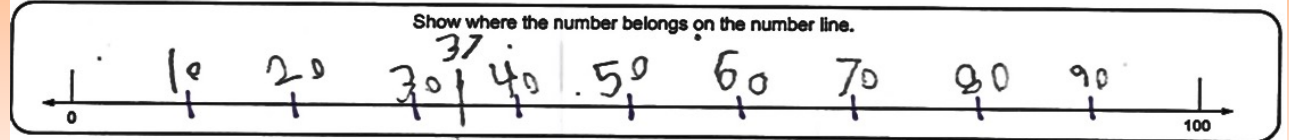
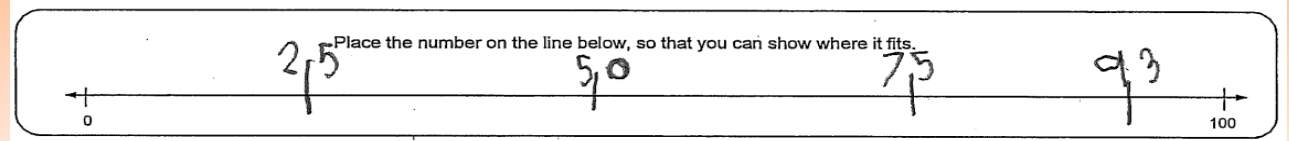- Correct estimate of placement of number on provided number line with benchmarks

Curricular Content: Quantities to 100 can be arranged and recognized

Show where the number belongs on the number line.

Curricular Content: Quantities to 100 can be arranged and recognized

Show where the number belongs on the number line.

Curricular Content: Quantities to 100 can be arranged and recognized

Place the number on the line below, so that you can show where it fits.

Rationale:
- Students in Grade 2 should be able to compare and order numbers to 100 along a number line, using benchmarks such as 25 and 50.

Note:
- Students should be attempting to draw benchmarks that are equally spaced.

Goal:
- To demonstrate full proficiency, students will add benchmarks to their number line to help situate the number.