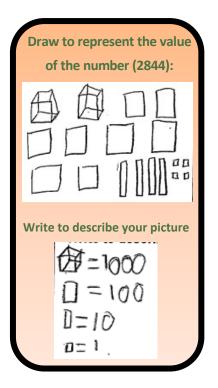


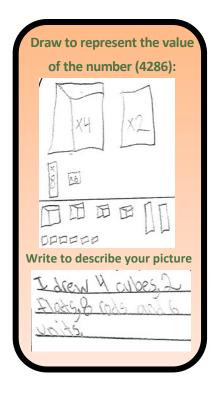
Draw To Represent The Value Of The Number

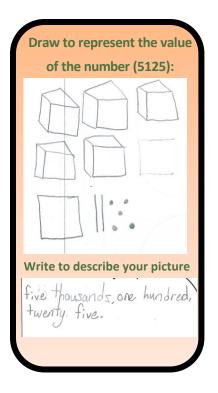
Number Sense Rubric: Proficient

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

Grade 4 SNAP Number Sense







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 key or legend to show
the value of each symbol. This key/legend can serve as their written explanation.

Goal:

• Students should represent the four-digit number using symbols and clearly show the strategy they used to create their picture.



Write The Number In Expanded Form

Number Sense Rubric: Proficient

Accurately demonstrates the value of each digit

Grade 4 SNAP Number Sense

Write the number in expanded form (6582):

6000+500+80+
2

Write the number in expanded form (4286):

1000-200-80-6

This student demonstrated a deeper understanding by showing multiple ways to show the value of each digit

Write the number in expanded form (5125):

5,000+100+20+5

Notes:

- Students usually show expanded for using an addition expression, but words are acceptable as well
- Students must show each place value separately (they can't be combined)

Goal:

 Students should accurately express a number as the sum of the place values of its digits



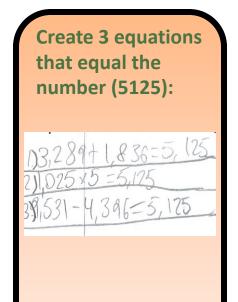
Create 3 Equations That Equal The Number

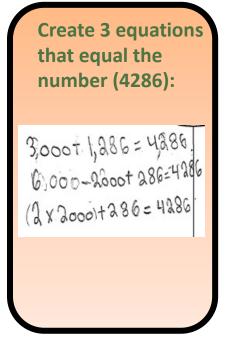
Number Sense Rubric: Proficient

Accurately uses grade appropriate operations in all three equations

Grade 4 SNAP Number Sense

Create 3 equations that equal the number (4286):





Notes:

- In Grade 4, students should be able to add, subtract, multiply, and divide, so "grade appropriate" responses should include a variety of these operations (but not necessarily all of them).
- Adding numbers into empty place values (e.g. 4000+172=4172) is not grade appropriate, nor is adding 1 or 0 to a number (e.g. 4171+1=4172 or 4172+0=4172).
- The line between "grade appropriate" and "not" can be subjective. Use your understanding of the curriculum and your professional judgement to make that call.

Goal:

Encourage students to find equations that challenge them, but are accurate



Write a Real-Life Example

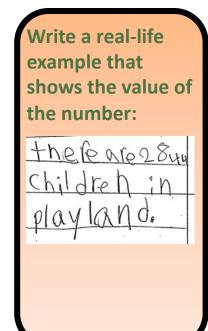
Number Sense Rubric: Proficient

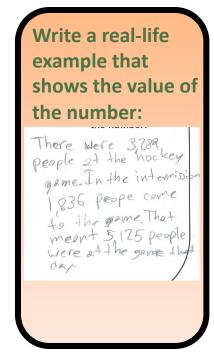
- Connection to a real-life example is provided
- Demonstrates understanding of the number value

Grade 4 SNAP Number Sense

Write a real-life example that shows the value of the number:

5/25 perces of paper in a table stack of paper.





Note:

 Picture books, number talks, collaborative problem solving, and high-yield routines like "Clothesline Math" can help students conceptualize large numbers and give them examples of where they can be found in the world around us

Goal:

 Students should show that they have a general understanding of the value of a number in the thousands.

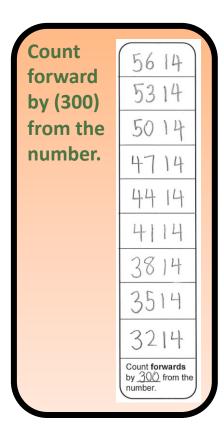


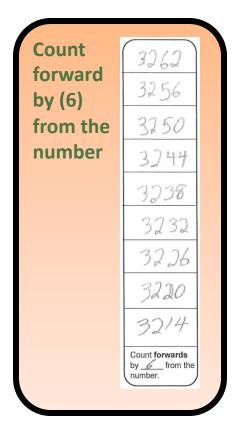
Counting Forward and Backwards

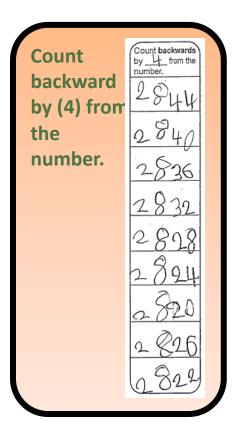
Number Sense Rubric: Proficient

Complete and accurate

Grade 4 SNAP Number Sense







Notes:

 One minor error in this section does not necessarily mean that a student can't be "Proficient". Check for place value understanding and a reasonable ability to add/subtract numbers and score according to your judgement.

Goal:

 Students should be able to count forward and backward by any single-digit number or simple two- or three-digit number from a variety of starting points.

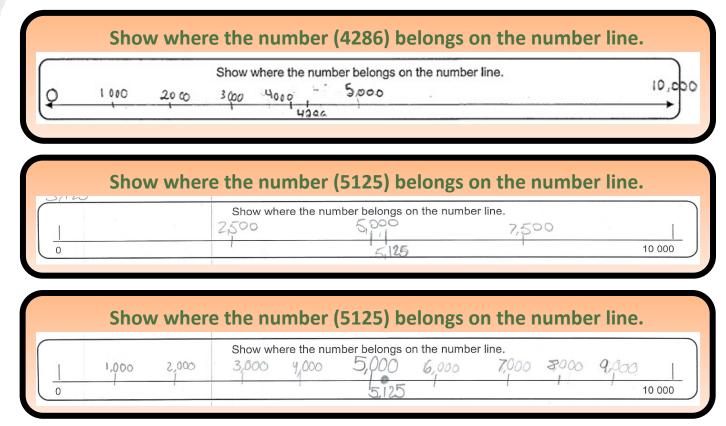


Number Line

Number Sense Rubric: Proficient

 Correct estimate of placement of number on provided number line with at least three benchmarks and appropriate endpoints.

Grade 4 SNAP Number Sense



Note:

 In Grades 2-5, endpoints should be provided by the teacher (in this case, 0 and 10000)

Goal:

 Using a ruler or other measurement tool can help students to be accurate with the even spacing of their benchmarks and the placement of their number

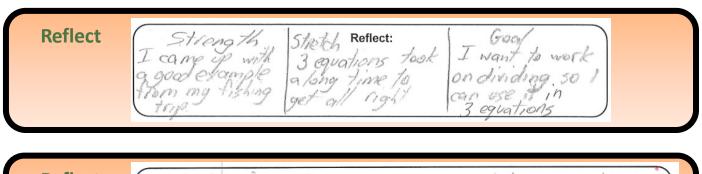


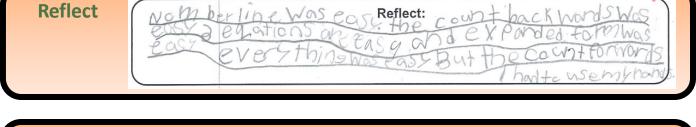
Reflection

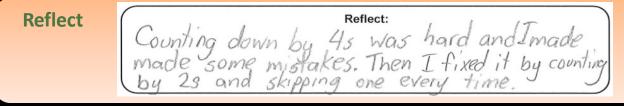
Number Sense Rubric: Proficient

 With sentence frames and structure, student can proficiently reflect on their learning

Grade 4 SNAP Number Sense







Goal:

• Identify and articulate strengths, stretches, and/or goals related to the content and competencies explored in the SNAP

Notes:

- It's important to model and teach effective reflection skills, or students will often default to "It was all easy" or "It was all hard"
- Clear expectations like, "Give me one strength, one stretch, and one goal" will lead to more insightful, reflective responses
- You can find reflection sentence stems in **Connecting and Reflecting Resources**