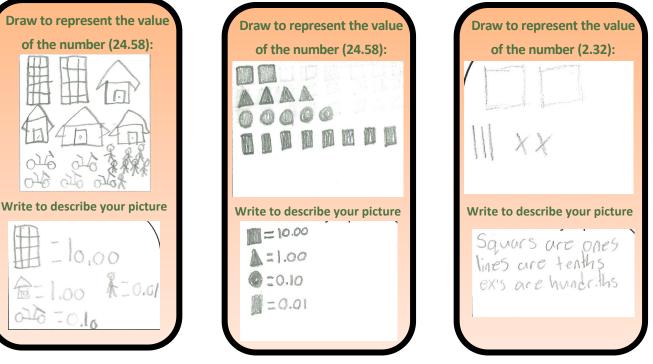


# Draw To Represent The Value Of The Number

## **Number Sense Rubric: Proficient**

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

# Grade 6 SNAP Number Sense



#### **Rationale:**

• Students demonstrated they understand how a number can be decomposed into whole numbers, tenths, and hundredths

#### 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 decimal number using symbols and clearly describe the strategy they used to create their picture.

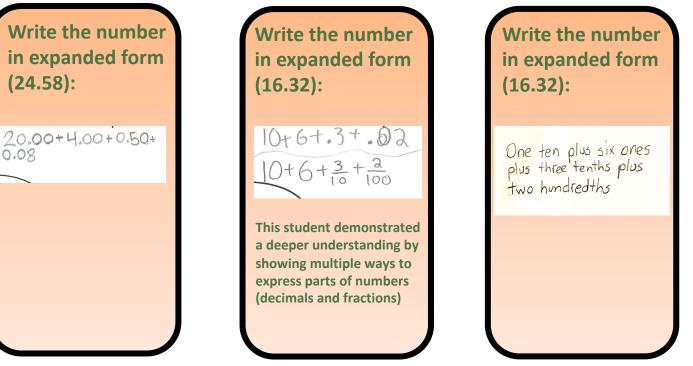


# Write The Number In Expanded Form

## Number Sense Rubric: Proficient

 Accurately demonstrates the value of each digit

# Grade 6 SNAP Number Sense



### **Rationale:**

• Students have correctly identified the value of each digit in the number

### Note:

- 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 are able to accurately express a number as the sum of the place values of its digits

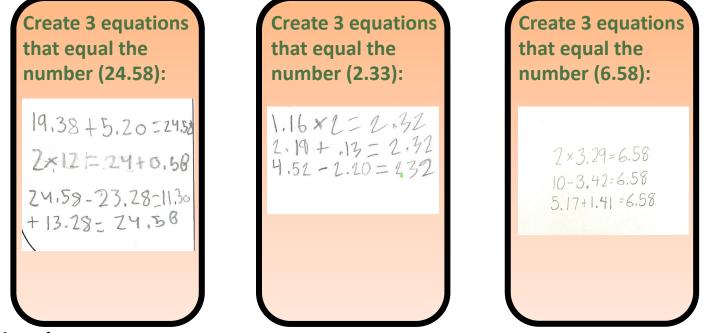


## Create 3 Equations That Equal The Number

### **Number Sense Rubric: Proficient**

• Accurately uses grade appropriate operations in all three equations

# Grade 6 SNAP Number Sense



#### Rationale:

- In Grade 6, 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. 1+.2=1.2) is not grade appropriate, nor is adding 1 or 0 to a number (e.g. 6.78+0=6.78 or 5.78+1=6.78).

#### Note:

• 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

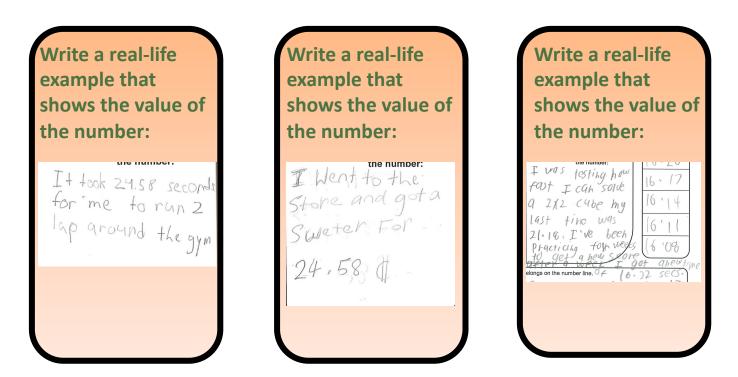


## Write a Real-Life Example

### Number Sense Rubric: Proficient

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

# Grade 6 SNAP Number Sense



### **Rationale:**

- Teaching real-life applications provides students context for their learning. **Note:**
- Examples with money, time, and distance are all great ways for students to demonstrate their understanding of decimal numbers

### Goal:

• The example on the right shows insightful thinking and personal experience with decimal numbers. This kind of thinking is an excellent "next step."

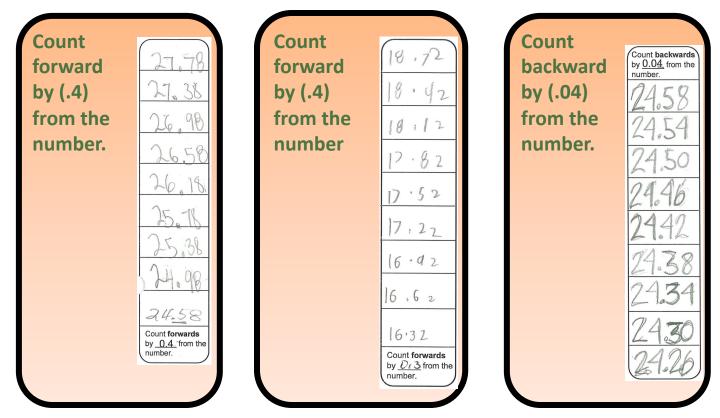


# Counting Forward and Backwards

### **Number Sense Rubric: Proficient**

Complete and accurate

# Grade 6 SNAP Number Sense



#### **Rationale:**

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

#### 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 decimal numbers and score according to your
judgement.

#### Goal:

• Students should be able to count forward and backward by tenths and hundredths from a variety of starting points.



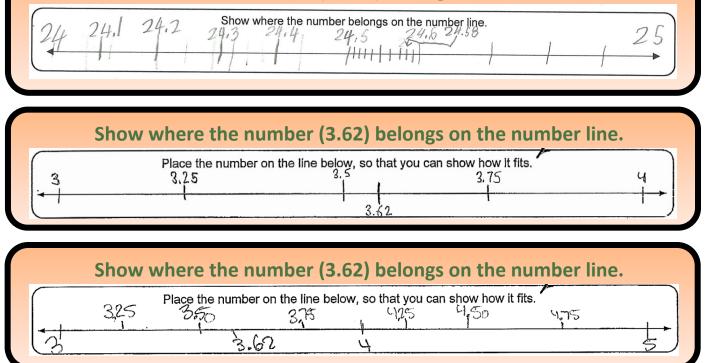
# **Number Line**

### **Number Sense Rubric: Proficient**

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

# **Grade 6 SNAP Number Sense**

#### Show where the number (24.58) belongs on the number line.



#### **Rationale:**

Students in Grade 6 should be able to place a number with decimals accurately on a number line, with at least three benchmarks and appropriate endpoints.

#### Note:

• In Grade 6 and 7, students must provide their own endpoints; teachers are encouraged to remind students of this expectation.

### 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.