3rd Grade Mathematics Common Formative Assessment

Pre-Instruction

1. List the Standard. Underline the nouns (what students will know) and highlight the verbs (what student will d

3.NF.1 * Understand a *fraction* 1/b as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size 1/b.
(A). Fractions of a whole.

2. Mathematical Practices

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

3. I Can Statements – Put learning targets in student friendly terms.

1. I can name and construct a fraction as 1 part of a whole.
2. I can name and construct a fraction as parts of a whole.

Depth of Knowledge of the standard (Highlight the Level of the Learning Target):

Level 1 Recall; Level 2 – Skill/Concept; Level 3 – Strategic Thinking; Level 4 – Extended Thinking

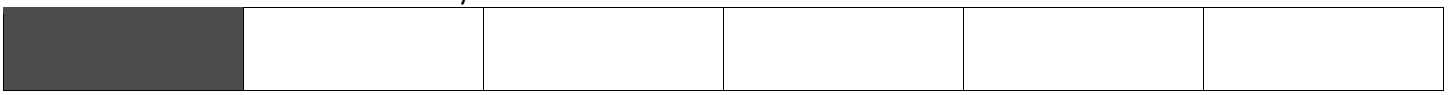
4. List the skills students need to know in order to begin this standard:

1. Vocabulary: part, whole, fraction, name, illustrate, construct, model
2. Divide a geometric shape into equal parts.

5. What type of assessment am I going to write? [selected response (m/c, t/f, y/n, matching, fill in ___) **or** constructed response (**short:** word, phrase, sentence, single problem; **extended**: multi-step operations in math, problem solving)] List the assessment questions.

Constructed response—short and extended.

1. a. Name the fraction illustrated by the model.



b. Construct a visual model of the given fraction. ¼

2. a. Name the fraction illustrated by the model.

b. Construct a visual model of the given fraction. 3/4

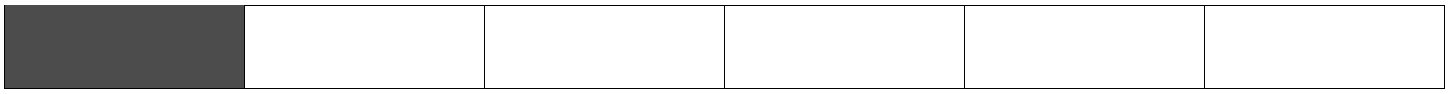
6. Scoring Guide

Exceeds Expectations: Constructs/names fractions equivalent to those given.
Proficient: Accurately constructs/names all fractions given.
Approaching Proficiency: Names/constructs 50% of the fractions given.
Not Proficient: Less than 50% correct.

Name: _____

Power Standard: 3.NF.1

1. a. Name the fraction illustrated by the model. _____



b. Construct a visual model of the given fraction. **¼**

3. a. Name the fraction illustrated by the model. _____

b. Construct a visual model of the given fraction. ¾

Scoring Guide:
Exceeds Expectations: Constructs/names fractions equivalent to those given.
Proficient: Accurately constructs/names all fractions given.
Approaching Proficiency: Names/constructs 50% of the fractions given.
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Tracking Sheet

Class: _____ Grade: _____

Skill: 3.NF.1 * Understand a *fraction* 1/b as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size 1/b.(A). Fractions of a whole.

Student	1st Attempt				2nd Attempt				3rd Attempt			
	Not Proficient	Approaching Proficiency	Proficient	Exceeds Expectations	Not Proficient	Approaching Proficiency	Proficient	Exceeds Expectations	Not Proficient	Approaching Proficiency	Proficient	Exceeds Expectations