

Mathematics CFA Template

Pre-Instruction

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

1.G.3 Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

2. Mathematical Practices

1. Make sense of the problem and persevere.
2. Reason abstractly and quantitatively.
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.

I can divide circles and rectangles in in half . 2

I can divide circles and rectangles into four equal parts. 2

I can describe parts of a circle and a rectangle using the words halves, fourths and quarters. 1

I can use the words half of, fourth of, and quarter of, to describe parts of circles and rectangles. 1

I can describe the whole as two of or four of the parts. 1

I can understand that the more I divide a circle or a rectangle the smaller the parts become. 3

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:

What a circle and rectangle are and their attributes.

Lines of Symmetry

What the term divide represents.

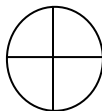
Know numbers 1-10

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 –

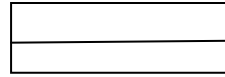
1. Draw a circle and a line to divide it in half.
2. Draw a rectangle and lines to divide it into fourths/quarters.

3. How much of the circle is shaded?



Teacher shades one fourth of circle before test.

4. How much of the Rectangle is shaded?

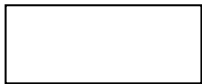
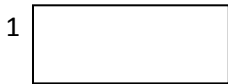


Teacher shades one half of the rectangle before test.

5. A quarter of the circle is the same as _____. Prove your answer.

- A. A half
- B. A fourth
- C. A whole

6. What do you notice about the parts of each whole in each rectangle?



*Check for vocabulary during whole or small group discussion.

6. Scoring Guide

Exceeds Expectations: Answers all questions correctly using more than one term.

Proficient: Answers all questions correctly and shows work when necessary.

Approaching Proficiency: Answers 4-5 questions correctly and shows work when necessary.

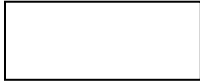
Not Proficient: Answers 3 or less questions correctly and shows work when necessary.

Name: _____

Power Standard: 1.G.3

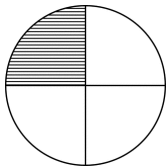
Directions: Complete the following.

1. Draw a circle and a line to divide it in half.



2. Draw a rectangle and lines to divide it into fourths/quarters.

3. How much of the circle is shaded?



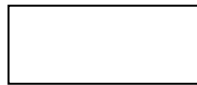
4. How much of the Rectangle is shaded?



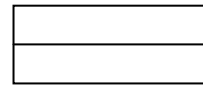
5. A quarter of the circle is the same as _____ . Prove your answer.

- A. a half
- B. a fourth
- C. a whole

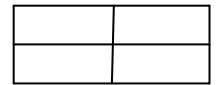
D. What do you notice about the parts of each whole in each rectangle?



1



$\frac{1}{2}$



$\frac{1}{4}$

Exceeds Expectations: Answers all questions correctly using more than one term.

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Approaching Proficiency: Answers 4-5 questions correctly and shows work when necessary.

Not Proficient: Answers 3 or less questions correctly and shows work when necessary.

