

# Mathematics CFA Template

## Pre-Instruction

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

K.G.1 **Describe** objects in the environment using names of shapes (square, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres), and **describe** the relative positions of these objects using terms such as *above, below, beside, in front of, behind, and next to*.

2. Mathematical Practices

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

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

I can name 2D shapes.

I can name 3D shapes.

I can place and tell different positions of 2D shapes.

I can place and tell different positions of 3D shapes.

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:

Students need to know the names of 2D shapes.

Students need to know the names of 3D shapes.

Students need to name and show the meaning of positional words.

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.

Assess during module 1 with 2D shapes. Assess during module 3 with 3D shapes.

Materials: 2D & 3D Shapes listed above depending on which module. Ask student to hand you a shape and tell you what the shapes name is. Teacher then takes the shape and places it in one of the positions listed above in the standard. For example: places the square above the students head. Ask the student to tell you where you have placed the shape.

Follow the same procedure with all of the shapes listed in the standard completing all positions in the standard.

6. Scoring Guide

**Exceeds Expectations:**

**Proficient:**Can name all shapes and describe their relative position.

**Approaching Proficiency:**Can name most of the shapes and their positions.4 2D, 3 3D

**Not Proficient:**Can name half or fewer

