

# CCSS Mathematics Assessment Task

## Bananas

Grade Level: Kindergarten

Mathematics Domain and Cluster:

Domain: Operations and Algebraic Thinking

Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

Common Core standard(s) being assessed (if the task is intended to assess only one part of the standard, underline that part of the standard):

K.OA.1: Represent addition and subtraction with objects, fingers, mental images, drawings (drawing need not show details, but should show the mathematics in the problem), sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.

K.OA.2: Solve addition and subtraction word problems, and add and subtract within 10 e.g., by using objects or drawings to represent the problem.

Student Materials:

- Bananas Assessment Sheet
- Manipulatives (ex: unifix cubes, counting bears)
- Pencil

Teacher Materials:

- None

Directions (for teacher to administer assessment task):

- Provide each student with a bowl of math manipulatives.
- Hand out the banana assessment.

Differentiation:

- Student can represent their thinking using objects. Teacher can take a picture as evidence of understanding. To gain a better understanding of students thinking the teacher can ask the student to explain how they solved the problem.

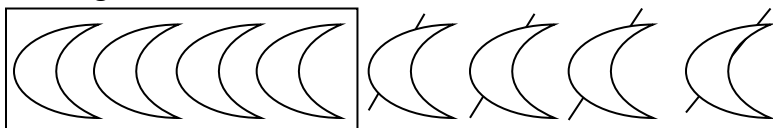
Prompt:

Say: **Today you will solve a story problem. You can use math manipulatives if you need to.**

Read the prompt: **You picked 8 bananas. You gave 4 to your friend. How many bananas do you have now?**

Correct or Model Answer:

Drawing:



Equation:

$$8-4=4$$

## CCSS Mathematics Assessment Task

**Scoring Guide/Rubric** (a score should be awarded for each criterion below)

Criteria (CCSS code)	0 points	1 Point	2 Points
Represent subtraction with objects, drawings or equations. (K.OA.1) (K.OA.2)	Student is unable to represent the subtraction problem using objects, drawings and/or an equation.	Student represents the subtraction problem using objects, drawings and/or an equation with some mistakes.	Student accurately represents the subtraction problem using objects, drawings and/or an equation.

Note: Should the student score a 0 or a 1, note what the student needs to work on (e.g., representing problem with objects or drawings or is unable to represent the problem with an equation).

# CCSS Mathematics Assessment Task

Name \_\_\_\_\_

Date \_\_\_\_\_

Bananas

Problem:

You picked 8 bananas. You gave 4 to your friend.

How many bananas do you have left?

Solve the problem.

Show your thinking.

## Scoring Guide/Rubric (a score should be awarded for each criterion below)

Criteria (CCSS code)	0 points	1 Point	2 Points
Represent subtraction with objects, drawings or equations. (K.OA.1) (K.OA.2)	Student is unable to represent the subtraction problem using objects, drawings and/or an equation.	Student represents the subtraction problem using objects, drawings and/or an equation with some mistakes.	Student accurately represents the subtraction problem using objects, drawings and/or an equation.

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