

## SCIENCE GRADE 3

### A. Short Answer (SA) 2 points

Mean: 0.24

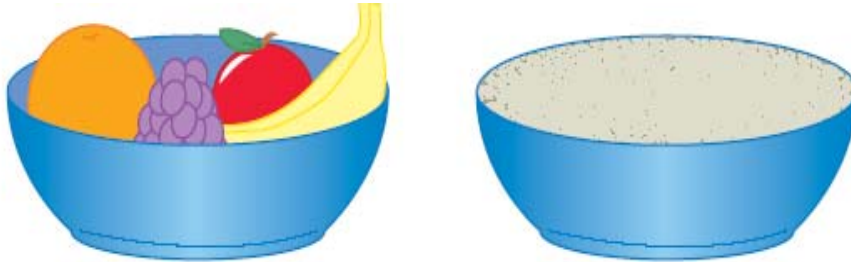
Standard: I.A.1

Strand: Scientific Thinking and Practice

Content Standard: Understand the processes of scientific investigations and use inquiry and scientific ways of observing, experimenting, predicting, and validating to think critically.

Benchmark: Use scientific methods to observe, collect, record, analyze, predict, interpret, and determine reasonableness of data.

Mark and Kari observed some birds in their backyard to see which type of food they like to eat the best. Mark thought he saw the birds eating grapes, oranges, apples, and bananas from the bowl on the left. But Kari thought she saw the birds eating from the bowl on the right, which is filled with birdseed.



Identify 2 things Mark and Kari should do to make their observations more accurate.

---

---

---

---

## B. Rubric

### Student Response:

(Student answers any two of the following.)

- Mark and Kari should observe the birds again to see which food they really liked the best.
- Mark and Kari should record their observations.
- Mark and Kari should repeat their experiment several times.
- Mark and Kari should observe the bluebirds for a longer period of time.

Score	Description
2	The student demonstrates thorough understanding of the relevant scientific concepts and/or procedures. The student completes the task correctly, using scientifically sound procedures and provides clear and complete explanations and interpretations. The response may contain minor flaws that do not detract from the demonstration of thorough understanding.
1	The student demonstrates partial understanding of the relevant scientific concepts and/or procedures. The response includes some correct information, but indicates a lack of essential understanding of the scientific concepts and/or procedures. Explanations and/or interpretations are incomplete or only partially supported. The response may contain flaws that indicate misunderstanding of the task or of the scientific concepts and/or procedures.
0	The student demonstrates no understanding of the relevant scientific concepts and/or procedures. The response is incorrect or irrelevant to the skill or concept being measured, or no response is provided.

### C. Student Responses

Score 2

Identify 2 things Mark and Kari should do to make their observations more accurate.

Count the birds  
that are at the  
bowls, see what is missing  
like bites and fruit and  
seeds.

Identify 2 things Mark and Kari should do to make their observations more accurate.

They should record their data by  
making a graph of how many  
birds ate from which, and they  
should let a few days go by and see  
how much is left in each bowl

\*\*

Identify 2 things Mark and Kari should do to make their observations more accurate.

They should try  
it again but watch and  
count the birds that come to  
the bowl of food.

Identify 2 things Mark and Kari should do to make their observations more accurate.

They should get a piece of paper and make tally mats to see if the birds like the birdseed or fruits or they could also look at how much the birds ate in the bowl.

Score 1

Identify 2 things Mark and Kari should do to make their observations more accurate.

2 things Mark and Kari should do to make their observations more accurate are to watch the birds again and look close but not to close.

Identify 2 things Mark and Kari should do to make their observations more accurate.

I think that Mark and Kari should do their observations all over again.

Score 0

Identify 2 things Mark and Kari should do to make their observations more accurate.

The should be observing more

Identify 2 things Mark and Kari should do to make their observations more accurate.

check to see which one has the less food, and check if any birds ate one of them.

Identify 2 things Mark and Kari should do to make their observations more accurate.

they mix up the food together then the birds will eat it and the food will be gone. see what bird likes the most.