# Grade 6 / Scoring Key

# Picking a Pet

## Item 2

**Claim 4**
**4.OA.C.5**

| SAMPLE | SCORE | RATIONALE |
|---|---|---|
| A | 0 | The response suggests the student may not have understood the situation. This response is associated with the task as the student indicates which pet won, but it does not provide a clear method for determining a winner. It is hard to understand how the stated method is related to the data or the situation. The response earns 0 points. |
| B | 2 | The student clearly described a method and explained which pet would be the winner based on this method. The method is to assign two points to each student's first vote. The student accurately applied the method to the data, and added the total points to identify the turtle as the winner. The response clearly communicates an understanding of the task, uses the provided data accurately, and presents a sensible model to determine and justify the winning pet. The response earns full credit. |
| C | 1 | The student clearly described a method but did not explain which pet is the winner based on this method. This student's method was to add the 1st and 2nd choice votes together to determine the winner. This response demonstrates a partial use of the mathematical practices essential to this item and earns partial credit. |
| D | 2 | The student clearly described a method and explained which pet is the winner based on this method. This student's method was to add the 1st and 2nd choice votes together to determine the winner, the pet with the greatest total votes. Although the response uses incorrect values for some of the votes, these came from incorrect totals in Item 1. These incorrect totals were applied correctly in this item, therefore, the student is not penalized for a follow-through error made in a previous item. This response clearly communicates an understanding of the context with a mathematical model and an interpretation of the results in context. The response earns 2 points. |
| E | 0 | The student demonstrated some understanding of the situation. This response is associated with the task as the student recreated the data table used in item 1 in a new format. However, the response does not include any description of a method or indicate which pet won using a method. The response earns 0 points. |
| F | 1 | This response provides calculations that show a method but not an explanation of which pet is the winner based on this method. The response suggests a method of adding the 1st and 2nd choice votes together to determine the winner. Although the response uses incorrect values for some of the votes, these are follow-through errors from incorrect totals in Item 1; these incorrect totals were applied correctly in this item, therefore, the response is not penalized for an error made in a previous item. However, while the calculations show a method, there is no explicit explanation of the method or the winner. This response demonstrates a partial use of the mathematical practices essential to this item and earns partial credit. |

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## Item 2 *(continued)*

**Claim 4**
**4.OA.C.5**

| SAMPLE | SCORE | RATIONALE |
|--------|-------|-----------|
| G | 1 | The student described which pet won but gave a partial explanation to support this answer. While it is true that the goldfish had the most total votes, there is no clear explanation that the method used was to add the 1st and 2nd choice votes to determine the winner. The student interpreted results in context to determine a winner, but the response only includes part of a method for interpreting the data. The response earns partial credit of 1 point. |
| H | 2 | The student clearly described a method and explained which pet is the winner based on the method. This student's method was to add the 1st and 2nd choice votes together to determine the winner, the pet with the greatest total. This response provides clear evidence of understanding the context, a mathematical model and an interpretation of the results in context, despite a minor calculation error within the response. Although the student inaccurately added the votes for the goldfish, he/she accurately determined the turtle to be the winner using the described method. This response contains evidence of the student's competence in problem solving and modeling to the full extent expected by this item. |
| I | 1 | The student clearly stated a winner but did not include a description of the method used to determine the winner. Although it is true that the turtle got the most (9) votes in the first round, the response does not include a clear explanation that the method used to determine the winner was to only consider the 1st choice votes. The student interpreted results in context to determine a winner, but did not describe a mathematical model or a method to interpret the data. This response earns partial credit of 1 point. |

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