

Focus Standards and Claim

Claim 2  
6.SP.B.5

Stimulus

### Picking a Pet

Your class is trying to decide what type of animal to get for the class pet. Your teacher is letting the class vote to choose a goldfish, a turtle, or a hamster as the class pet.

All 20 students in your class voted for both their 1st choice and their 2nd choice for the class pet. The results are shown in Table 1.

**Table 1. Class Pet Votes**

Student	1st Choice	2nd Choice	Student	1st Choice	2nd Choice
1	Turtle	Hamster	11	Turtle	Hamster
2	Goldfish	Hamster	12	Turtle	Goldfish
3	Goldfish	Turtle	13	Hamster	Turtle
4	Hamster	Turtle	14	Hamster	Goldfish
5	Goldfish	Turtle	15	Turtle	Goldfish
6	Turtle	Goldfish	16	Goldfish	Turtle
7	Hamster	Goldfish	17	Turtle	Goldfish
8	Turtle	Goldfish	18	Turtle	Goldfish
9	Goldfish	Hamster	19	Turtle	Hamster
10	Goldfish	Hamster	20	Goldfish	Hamster

Item Prompt

Using the class data shown in **Table 1**, complete the following frequency table.

Pet	Total 1st Choice Votes	Total 2nd Choice Votes
Goldfish		
Hamster		
Turtle		

## Scoring Guide

SCORE	1 POINT	0 POINTS												
	<p>The student enters <b>all</b> correct values into the frequency table as shown below.</p> <table border="1"> <thead> <tr> <th>Pet</th> <th>Total 1st Choice Votes</th> <th>Total 2nd Choice Votes</th> </tr> </thead> <tbody> <tr> <td>Goldfish</td> <td>7</td> <td>8</td> </tr> <tr> <td>Hamster</td> <td>4</td> <td>7</td> </tr> <tr> <td>Turtle</td> <td>9</td> <td>5</td> </tr> </tbody> </table>	Pet	Total 1st Choice Votes	Total 2nd Choice Votes	Goldfish	7	8	Hamster	4	7	Turtle	9	5	All other responses
Pet	Total 1st Choice Votes	Total 2nd Choice Votes												
Goldfish	7	8												
Hamster	4	7												
Turtle	9	5												

## Sample Responses

### Student Sample A



Pet	Total 1st Choice Votes	Total 2nd Choice Votes
Goldfish	7	8
Hamster	4	7
Turtle	9	5

#### SCORE RATIONALE

All values in the frequency table are correct. The student correctly interpreted the data table and entered all correct values in the frequency table. This response demonstrates understanding of the context and shows the student is able to both interpret the representation of the data and successfully translate it into a frequency table.

### Student Sample B



Pet	Total 1st Choice Votes	Total 2nd Choice Votes
Goldfish	7	8
Hamster	4	7
Turtle	11	5

#### SCORE RATIONALE

While this response demonstrates some understanding of the context and representation of the data, this student did not accurately enter ALL correct values into the table. This student inaccurately noted the turtle earned 11 1st choice votes instead of the correct value, 9.

## Student Sample C



Pet	Total 1st Choice Votes	Total 2nd Choice Votes
Goldfish	5	3
Hamster	2	4
Turtle	3	3

**SCORE RATIONALE**

While this response demonstrates some understanding of the context, it does not demonstrate understanding of the representation. The votes entered into the table only reflect the first (left) column of data for 1st and 2nd choice votes, with no consideration of the second (right) column of data provided.

## Student Sample D



Pet	Total 1st Choice Votes	Total 2nd Choice Votes
Goldfish	7	7
Hamster	4	7
Turtle	9	5

**SCORE RATIONALE**

While this response demonstrates some understanding of the context and representation of the data, this student did not accurately enter ALL correct values into the table. This student inaccurately noted the goldfish earned 7 2nd choice votes instead of the correct value, 8.