

# Standards Mastery Results for a Student

Offers detailed, student-level item analysis and suggested resources for addressing gaps and reteaching grade-level standards at the district, school, and class level.

## Student Item Analysis

**Academic year:** Current (2016-2017)  
**Select Students by:** Class  
**School:** Gotham Elementary School

**Class/Group:** Math Class (Math)  
**Student:** Ty Miller

**Assessment:** Grade 4 Mathematics 09/12/16  
**Score:** 17%  
**Completion Date:** 09/12/16

Use this report to review a student's results on a Standards Mastery assessment. Review the student's responses and common misconceptions for each wrong answer.

**Item 1**

Luke spends \$36 at a baseball game. His ticket costs \$23. Luke buys a cup of lemonade for \$5 and bags of popcorn. How much is each bag of popcorn?

\$8  
 \$6  
 \$4  
 \$3

**Item 2**

Dan puts 156 bottles of juice in boxes. There are 10 boxes that have 6 bottles in each. The rest of the boxes have 8 bottles in each. How many boxes have 8 bottles?

8 boxes

**Correct answers:**

12 boxes

Students may have an incorrect response because they found the total number of bottles left that are in boxes of 8,  $156 - (10 \times 6) = 96$ , instead of solving a step further to find the number of boxes that have 8 bottles in each.

**Item 3**

Andrea is ordering a photo book by the page. Each page can fit photos. She wants to put 63 summer photos and 35 winter photos into the photo book. How can Andrea find the fewest number of pages she will need to order for all of her photos? Use the dropdown menus to complete the explanation.

Andrea must **1** add **63** and **35** to find the total number of photos she has. Then she has to **2** Choose... the total by **4** to find the number of pages she needs. There will be **3** Choose... pages with photos each. She will have **4** Choose... left over. Andrea will need to order **5** Choose... pages for all her photos.

**Correct answers:**

**2** divide **3** 24 **3** 2 photos **3** 25

Students may have an incorrect response because they do not understand how to set up and solve multistep problems. They may have chosen an incorrect operation to use in each step and, as a result, come up with an incorrect number of pages. If the response is 392 pages, students likely added to find the total number of photos but multiplied by 4, instead of dividing by 4, to find the number of pages needed, or they may have solved correctly but misinterpreted what to do with the remaining 2 photos and either disregarded them or incorrectly added 2 pages to account for them.

**Item 4**

Hannah, Martha, and Jack collect a total of 84 stickers. After they divide up all of the stickers equally, Hannah finds 6 more stickers and adds them to her collection. Jack gives 3 of his stickers to his brother.

Drag the number of stickers into each box to show how many stickers each person has now.

Hannah: 22  
 Martha: 2  
 Jack: 3

22 25 28 31 34

**Correct answers:**

**1** 34 **2** 28 **3** 25

Students may have an incorrect response because they may not have known which operations to use to correctly solve the multistep problems. They may divide 84 by 3 correctly but then incorrectly add 3 to Jack's total or subtract 6 from Hannah's total to find incorrect totals for each person, or students may correctly find Hannah and Jack's number of stickers but subtract them from 84, thinking that the original total has not changed, to find Martha's number of stickers as 25 instead of 28.

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**Academic year:** Current (2016–2017)  
**Select Students by:** Class  
**School:** Woodland Elementary

**Class/Group:** Reading Period 2 Mills  
**Student:** Francine Luna

**Assessment:** READING — Grade 4 (Across District) — RI.4.5 and 4.7, RL.4.7, L.4.4  
**Score:** 50%  
**Completion Date:** 11/10/16

Use this report to review a student's results on a Standards Mastery assessment. Review the student's responses and common misconceptions for each wrong answer.

Read the passage, listen to the audio, and study the picture. Then answer the questions that follow.

## Passage Audio & Picture

Swiss author Johanna Spyri's 1880 book *Heidi* is about a young girl who moves to her grandfather's home in the mountains of Switzerland. In this passage from Chapter 2, Heidi makes her bed in her grandfather's hayloft soon after she arrives at his home.

from *Heidi*  
 by Johanna Spyri  
 (translated by Elisabeth P. Stork)

- After looking around attentively<sup>1</sup> in the room, she asked, "Where am I going to sleep, grandfather?"
- "Wherever you want to," he replied. That suited Heidi exactly. She peeped into all the corners of the room and looked at every little nook to find a [cozy] place to sleep. Beside the old man's bed she saw a ladder. Climbing up, she arrived at a hayloft, which was filled with fresh and fragrant<sup>2</sup> hay. Through a tiny round window she could look far down into the valley.
- "I want to sleep up here," Heidi called down. "Oh, it is lovely here. Please come up, grandfather, and see it for yourself."
- "I know it," sounded from below.
- "I am making the bed now," the little girl called out again, while she ran busily to and fro. "Oh, do come up and bring a sheet, grandfather, for every bed must have a sheet."
- "Is that so?" said the old man. After a while he opened the cupboard and rummaged around in it. At last he pulled out a long coarse<sup>3</sup> cloth from under the shirts. It somewhat resembled a sheet, and with this he climbed up to the loft. Here a neat little bed was already prepared. On top the hay was heaped up high so that the head of the occupant<sup>4</sup> would lie exactly opposite the window.
- The grandfather was well pleased with the arrangement. To prevent the hard floor from being felt, he made the couch<sup>5</sup> twice as thick. Then he and Heidi together put the heavy sheet on, tucking the ends in well. Heidi looked thoughtfully at her fresh, new bed and said, "Grandfather, we have forgotten something."
- "What?" he asked.
- "I have no cover. When I go to bed I always creep in between the sheet and the cover."
- "What shall we do if I haven't any?" asked the grandfather.
- "Never mind, I'll just take some more hay to cover me," Heidi reassured him, and was just going to the heap of hay when the old man stopped her.
- "Just wait one minute," he said, and went down to his own bed. From it he took a large, heavy linen bag and brought it to the child.
- "Isn't this better than hay?" he asked.
- Heidi pulled the sack to and fro with all her might, but she could not unfold it, for it was too heavy for her little arms. The grandfather put the thick cover on the bed while Heidi watched him. After it was all done, she said: "What a nice bed I have now, and what a splendid cover! I only wish the evening was here, that I might go to sleep in it."
- "I think we might eat something first," said the grandfather. "Don't you think so?"
- Heidi had forgotten everything else in her interest for the bed; but when she was reminded of her dinner, she noticed how terribly hungry she really was. She had had only a piece of bread and a cup of thin coffee very early in the morning, before her long journey. Heidi said approvingly: "I think we might, grandfather!"

This question has three parts. First, answer part A. Then, answer Part B and Part C.

### Part A

Based on what the author writes in the Passage and how the dialogue is read in the Audio, drag one character trait to each box to describe each character.

Heidi	excitable ✓
Grandfather	sleepy ✗
Correct Answer: giving	
selfish giving bored	

Students may have an incorrect response because they misunderstood the traits of the characters and/or did not correctly interpret the tone of voice and words of the characters.

### Part B

Choose two sentences from the Passage that best support the character trait you chose to describe Heidi in Part A.

<input checked="" type="radio"/>	A. "Beside the old man's bed she saw a ladder."	✗
<input type="radio"/>	B. "Then he and Heidi together put the heavy sheet on, tucking the ends in well."	
<input type="radio"/>	C. "'Never mind, I'll just take some more hay to cover me.' Heidi reassured him, and was just going to the heap of hay when the old man stopped her."	
<input checked="" type="radio"/>	D. "What a nice bed you have now, and what a splendid cover!"	✓
<input type="radio"/>	E. "She had only a piece of bread and a cup of thin coffee very early in the morning, before her long journey."	
<input type="radio"/>	F. "Heidi said approvingly, 'I think we might, grandfather!'"	✓

**A - Incorrect:** Students may have chosen this response because the sentence describes one of Heidi's actions. However, it only describes something she passively sees; the sentence in the Passage does not illustrate Heidi's excitability.

**F - Missed:** Students who did not choose this response may have an incomplete understanding of how to use text to support a connection between a passage and a visual representation. They did not understand that this sentence, spoken by Heidi, makes her seem excitable about even the smallest things, such as anticipating a meal.