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  
**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.

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**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?

- Correct answers: $6, $4, $3

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**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?

- 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 × 6), instead of solving a step further to find the number of boxes that have 8 bottles in each.

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**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 she put the stickers equally, Hannah finds 6 more stickers and adds them to her collection.

- Correct answers:
  - Drag the number of stickers into each box to show how many stickers each person has.
  - Andrea must add 63 and 35 to find the total number of pages she needs. Then she has to choose the total by 4 to find the number of pages she needs. There will be left over. Andrea will need to order pages for all her photos.

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.

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**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.

- Correct answers:
  - Hannah 12, Martha 25, Jack 2

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 6 to Jack’s total or subtract 3 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 38.
Read the passage, listen to the audio, and study the picture. Then answer the questions that follow.

**Passage**

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.

1. After looking around attentively in the room, she asked, “Where am I going to sleep, grandfather?”
2. “Whenever 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 (b) narrow 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 hay. Through a tiny round window she could look far down into the valley.
3. “I want to sleep up here,” Heidi called down. “Oh, it is lovely here. Please come up, grandfather, and see it for yourself.”
4. “I know it,” sounded from below.
5. “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.”
6. “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 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 would be exactly opposite the window.
7. The grandfather was well pleased with the arrangement. To prevent the hard floor from being felt, he made a couch for himself and brought a sheet, grandfather, for every bed must have a sheet.
9. “I have no cover. When I go to bed I always creep in between the sheet and the cover.”
10. “What shall we do if I haven’t any?” asked the grandfather.
11. “Never mind,” Heidi reassured him, and was just going to the heap of hay when the old man stopped her.
12. “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.
13. “Isn’t this better than hay?” he asked.
14. 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.”
15. I think we might eat something first,” said the grandfather. “Don’t you think so?”
16. 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!”

**Audio & Picture**

**From Heidi**
by Johanna Spyri
(translated by Elizabeth P. Stork)

**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
  - sleepy
  - selfish
  - giving
  - bored
- Grandfather
  - sleepy
  - giving
  - bored

**Correct Answer:** Heidi: excitable
Grandfather: giving

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

- A. “Beside the old man’s bed she saw a ladder.”
- B. “Then he and Heidi together put the heavy sheet on, tucking the ends in well.”
- C. “Never mind, I’ll just take some more hay to cover me.”
- D. “What a nice bed you have now, and what a splendid cover!”
- E. “She had only a piece of bread and a cup of thin coffee very early in the morning, before her long journey.”
- F. “Heidi said approvingly: ‘I think we might, grandfather!’”

- **A**
  - “Beside the old man’s bed she saw a ladder.”
  - “What a nice bed you have now, and what a splendid cover!”

**Part C**
Choose one sentence from the Passage that best illustrate Heidi’s excitability.

- A. “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.”
- B. “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.”
- C. “What shall we do if I haven’t any?” asked the grandfather.
- D. “What a nice bed you have now, and what a splendid cover!”
- E. “She had only a piece of bread and a cup of thin coffee very early in the morning, before her long journey.”

- A
  - “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.”

**Part D**
Identify the reading strategy that supports answering Part A, Part B, and Part C.

- A. Look for details in the Passage.
- B. Use context clues to understand the meaning of words.
- C. Use signal words to determine the meaning of sentences.

- A
  - Look for details in the Passage.

**Part E**
Identify the text feature that helps you answer Part E.

- A. Main idea
- B. Supporting details
- C. Explicit information

- C
  - Explicit information