GRADE 6 IM INTERIM RUBRICS

3 Points:

Student response includes the following:

- Reasoning: complete and correct explanation of why Derrick's claim and reasoning is incorrect
- Reasoning: complete and correct explanation of how to determine the amount of space in the container
- Computation: correct answer, 63 cubic feet

Sample Student Response:

Derrick's claim and reasoning is incorrect because he found the area of the front of the container, but he should have found the volume. He also labeled his answer incorrectly. To find the volume of the container, he needs to find the area of the base of the container. Since the base is a square, the area is 9 square feet. Then multiply the area of the base by the height, which is 7 feet to get the volume, 63 cubic feet. Derek's container has 63 cubic feet of space.

Note: Students may also find the volume by doing l×w×h.
Note: To receive the computation point, students must give the correct label.

2 Points:

2 elements correct.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.

3 Points:

Student response includes the following:

- Modeling: complete and correct work (2 points)
- Computation: correct answer, $68\frac{3}{4}$ (1 point)

Sample Student Response:

$3 \times \frac{35}{4} = \frac{105}{4}$

$4 \times \frac{85}{8} = \frac{170}{4}$

$\frac{105}{4} + \frac{170}{4} = \frac{275}{4}$

$275 \div 4 = 68\frac{3}{4}$

Micah needs $68\frac{3}{4}$ feet of wood.

2 Points:

Complete and correct work shown with an incorrect answer. Or, a correct answer with only partial work correct or work incomplete.

1 Point:

Partial work correct or work incomplete only. Or, correct answer only.

0 Points:

Incorrect or irrelevant response.

4 Points:

Student response includes the following:

- Reasoning: complete and correct description of how to correct Landon's work in Part A
- Computation: correct answer, 45 in Part A
- Reasoning: complete and correct work or explanation in Part B
- Computation: correct answer, 350 in Part B

Sample Student Response:

Part A: 2 points

Landon should have divided 135 by 3 instead of subtracting 2 from 135. Train A travels 45 miles per hour.

Part B: 2 points

140 is 40%. We can double that which makes 280 miles which is 80%. Then, we can take 1/2 of 140 and 40%. This gives us 70 miles which is 20%. Finally, 280 + 70 = 350 total miles for Train B.

3 Points:

3 elements correct.

2 Points:

2 elements correct.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.

3 Points:

Student response includes the following:

- Computation: correct number of bookmarks, 110 in Part A
- Modeling: complete and correct work shown or explanation given for the number of bookmarks in Part A
- Computation: correct number of shark bookmarks, 66 in Part B
- Modeling: complete and correct work shown or explanation given for the number of shark bookmarks in Part B

Sample Student Response:

Part A

$6x = 132$
$x = 22$
$5x = 110$
So 110 bookmarks will be received by the students.

Part B

$5y = 110$
$y = 22$
$3y = 66$
This means 66 students will receive shark bookmarks.

Note: If students give an incorrect answer in Part A, they may receive full or partial credit in Part B based on their incorrect answer in Part A.

2 Points:

The response includes 3 of the above elements.

1 Point:

The response includes 1 or 2 of the above elements.

0 Points:

Incorrect or irrelevant response.

2 Points:

Student response includes the following:

- Reasoning: valid description of $\left| -3\frac{1}{4} \right|$ in Part A
- Reasoning: correct expressions created in Part C

Sample Student Response:

Part A

$\left| -3\frac{1}{4} \right|$ is a distance of $3\frac{1}{4}$ units from 0 on a number line.

Part C

$|6|$ and $|-6|$ or other equivalent absolute value expressions that have an absolute value of 6.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.

3 Points:

Student response includes the following:

- Modeling: complete and correct estimate of water in partially full jug and strategy to solve the problem (2 points)
- Computation: correct answer, 290 (1 point)

Sample Student Response:

There are about 3.5 gallons of water in the partially full jug. That makes about 8.5 gallons of water times 128 = 1,088 fluid ounces. Then 1,088 divided by 3.75 ounces in each cup is about 290. So, Terrance can fill about 290 cups.

Note: Accept estimates from 3.3 to 3.7 for the partially full jug.
Note: To receive 1 of the 2 modeling points, the student should have 2 correct strategies of the 3 main things involved: estimate within 3.3 to 3.7 range of water in the partially filled jug, conversion of total gallons to fluid ounces, and dividing the total fluid ounces by 3.75.

2 Points:

The response includes a complete valid strategy with an incorrect answer or no answer. Or, the response includes a correct answer with a partially valid strategy shown.

1 Point:

The response includes a partially valid strategy only. Or the response includes a correct answer only.

0 Points:

Incorrect or irrelevant response.