GRADE 7 IM INTERIM RUBRICS

CENTERPOINT EDUCATION SOLUTIONS

Grade 7 Interim A, #15

3 Points:

Student response includes the following:

- Reasoning: complete and correct justification of how you know Dan solved the equation correctly
- Reasoning: complete and correct work or explanation of how to determine the correct solution of Nadia's equation
- Computation: correct solution of Nadia's equation

Sample Student Response:

I know Dan solved his equation correctly because 4 times $\frac{3}{20} = \frac{3}{5}$.

Nadia did not solve her equation correctly. She should have subtracted 7.25 on both sides of the equation to get $y = 3.5$.

2 Points:

2 elements correct.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.

Grade 7 Interim A, #16

2 Points:

Student response includes the following:

- Modeling: correct equation
- Modeling: complete and correct work or explanation for determining the equation
- Modeling: complete and correct definition of variables

Sample Student Response:

I found the amount Nina makes per hour by dividing the amount she earned by the number of hours she worked. She makes $\$11.50$ per hour.
Let $M =$ the amount of money Nina earns.
Let $h =$ the number of hours Nina works.
$M = 11.50h$

1 Point:

1 or 2 of the key elements correct.

0 Points:

Incorrect or irrelevant response.

Grade 7 Interim B, #15

3 Points:

Student response includes the following:

- Reasoning: complete and correct justification about the graph being proportional
- Reasoning: complete and correct justification about the number of pages read per minute
- Computation: complete and correct equation, $y = \frac{2}{3}x$ or equivalent

Sample Student Response:

Raul's claims are not correct. His graph shows a proportional relationship because the data forms a straight line and goes through the point $(0,\ 0)$. The line goes through the point $(30,\ 20)$. This means that he read 20 pages in 30 minutes. Because the data form a straight line, this means he read at a constant rate of $\frac{2}{3}$ page per minute and not 1.5 pages per minute.

2 Points:

2 elements correct.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.

Grade 7 Interim B, #16

3 Points:

Student response includes the following:

- Valid estimate and explanation (Part A)
- Valid estimate and work/explanation to determine the number of people this year (Part B)
- Valid estimate and work/explanation to determine the number of people 2 years ago (Part B)

Sample Student Response:

Part A

I estimate a 6.9% percent increase for this year because the average increase per year from year 4 to year 1 is 1.5%.

Note: estimates beside 6.9% are acceptable with valid reasoning.

Part B

6.9% of $5,000$ is 345. Add this to $5,000$ to get $5,345$ people this year.

If n represents the number of people that attended the event 2 years ago and there was a 5.4% increase, then multiplying n by 1.054 (which is $100\% + 5.4\%$) should equal $5,000$. So $1.054n = 5,000$ gives 4.744 people two years ago.

2 Points:

2 elements correct.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.

Grade 7 Interim C, #15

4 Points:

Student response includes the following:

- Computation: correct number of books for Jalen, 30
- Reasoning: complete and correct explanation or work to find the number of books for Jalen
- Computation: correct number of books for Maggie, 25
- Reasoning: complete and correct explanation or work to find the number of books for Maggie

Sample Student Response:

Part A

First, I subtracted 7.99 from both sides of the equation. That gave me $2.50b = 75$. Then I divided both sides of the equation by 2.5. That gave me $b = 30$. So Jalen orders 30 books.

Part B

First, I divided both sides of the equation by 7.5. That gave me $n + 0.2 = 25.2$. Then I subtracted 0.2 from both sides of the equation. That gave me $n = 25$. So Maggie orders 25 books.

3 Points:

3 elements correct.

2 Points:

2 elements correct.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.

Grade 7 Interim C, #16

3 Points:

Student response includes the following:

- Modeling: correct equation
- Modeling: complete and correct work
- Computation: correct answer, 9

Sample Student Response:

$45n + 17.99 = 422.99$

$422.99 - 17.99 = 405$

$405 \div 45 = 9$

Eva buys 9 tickets.

2 Points:

2 elements correct.

1 Point:

1 element correct.

0 Points:

Incorrect or irrelevant response.