

**NEW YORK STATE
COMPONENT RETEST**

**MATHEMATICS A
COMPONENT 5
MODULE 1**

MONDAY, MAY 15, 2006

**SCORING KEY
AND
RATING GUIDE**

Multiple Choice Key

(1)	3
(2)	1
(3)	4
(4)	3
(5)	4
(6)	3

Math A Component Retest
May 2006
Component 5, Module 1

Key to Multiple-Choice Questions

(1)	3
(2)	1
(3)	4
(4)	3
(5)	4
(6)	3

Rubrics

(7)

[4] 378 in 9th grade, 336 in 10th grade, 294 in 11th grade, and 252 in 12th grade, and appropriate work is shown, such as solving the equation $9x + 8x + 7x + 6x = 1,260$ or trial and error with at least three trials and appropriate checks.

[3] Appropriate work is shown, but one computational error is made.

or

[3] 378, 336, 294, and 252, and appropriate work is shown, but the solutions are not labeled or are labeled incorrectly.

or

[3] A correct equation is written and solved for x , but only two or three of the four solutions are found correctly.

[2] Appropriate work is shown, but two or more computational errors are made.

or

[2] Appropriate work is shown, but one conceptual error is made.

or

[2] A correct equation is solved for x , but the number of students in each grade is not found.

or

[2] 378 in 9th grade, 336 in 10th grade, 294 in 11th grade, and 252 in 12th grade, but only two trials and appropriate checks are shown.

or

[2] The trial-and-error method is attempted and at least six systematic trials and appropriate checks are shown, but no solution is found.

[1] Appropriate work is shown, but one conceptual error and one computational error are made.

or

[1] 378 in 9th grade, 336 in 10th grade, 294 in 11th grade, and 252 in 12th grade, but no work or only one trial with an appropriate check is shown.

[0] 378 in 9th grade *or* 336 in 10th grade *or* 294 in 11th grade *or* 252 in 12th grade, but no work is shown.

or

[0] 378, 336, 294, and 252, but no work is shown, and the answers are not labeled or are labeled incorrectly.

or

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

(8)

[4] Width = 13 and area = 377, and appropriate work is shown, such as the equations $2(2w + 3) + 2w = 84$ and $A = 13[(2 \times 13) + 3]$ or a table or trial and error with at least three trials and appropriate checks.

[3] Appropriate work is shown, but one computational error is made.

or

[3] 13 and 377, and appropriate work is shown, but the solutions are not labeled or are labeled incorrectly.

or

[3] Width = 13 and length = 29, and appropriate work is shown, but the area is not found.

[2] Appropriate work is shown, but two or more computational errors are made.

or

[2] Width = 13, and appropriate work is shown, but the area is not found.

or

[2] The trial-and-error method is used to find the correct solution, but only two trials and appropriate checks are shown.

or

[2] The trial-and-error method is attempted and at least six systematic trials and appropriate checks are shown, but no solution is found.

or

[2] An incorrect equation is solved to determine the width, such as $w + 2w + 3 = 84$, but the area is determined appropriately.

[1] An incorrect equation is solved to determine the width, but no further correct work is shown.

or

[1] Width = 13 and area = 377, but no work or only one trial with an appropriate check is shown.

[0] Width = 13 *or* area = 377, but no work is shown.

or

[0] 13 and 377, but no work is shown, and the solutions are not labeled or are labeled incorrectly.

or

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.

(9)

[4] 21,700 and 18,600, and appropriate work is shown.

[3] Appropriate work is shown, but one computational error is made.

or

[3] The amounts for inventory, salary, and rent are found correctly, and the correct amount for inventory and salary combined is found, but the amount for rent is not subtracted.

[2] Appropriate work is shown, but two or more computational errors are made.

or

[2] Appropriate work is shown, but one conceptual error is made, such as using the degree measures as percents.

or

[2] The amounts for inventory, salary, and rent are found correctly, but no further correct work is shown.

or

[2] The amounts for inventory and salary are found correctly and their correct sum is found, but no further correct work is shown.

[1] Appropriate work is shown, but one conceptual error and one computational error are made.

or

[1] The amount for inventory, for salary, *or* for rent is found correctly, but no further correct work is shown.

or

[1] 21,700 and 18,600, but no work is shown.

[0] 21,700 *or* 18,600, but no work is shown.

or

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously incorrect procedure.