

NCTM Content Standards Assessment Rubric



Algebra

Student's Name: _____ Assignment: _____ Level: _____

	Level 1	Level 2	Level 3	Level 4
<p>Understanding the Algebraic Concepts: Sorting, Patterning, Graphing, Equations and Quantitative Change</p>	<ul style="list-style-type: none"> Demonstrates a limited understanding of Sorting, Patterning, Graphing, Equations and Quantitative Change 	<ul style="list-style-type: none"> Demonstrates a basic understanding of Sorting, Patterning, Graphing, Equations and Quantitative Change 	<ul style="list-style-type: none"> Demonstrates a good understanding of Sorting, Patterning, Graphing, Equations and Quantitative Change 	<ul style="list-style-type: none"> Demonstrates a thorough understanding of Sorting, Patterning, Graphing, Equations and Quantitative Change
<p>Applying Appropriate Technique, Tools, and Formulas to Solve Algebraic Problems</p>	<ul style="list-style-type: none"> Demonstrates limited ability in using formulas to solve algebraic equations 	<ul style="list-style-type: none"> Demonstrates some ability in using formulas to solve algebraic equations 	<ul style="list-style-type: none"> Demonstrates satisfactory ability in using formulas to solve algebraic equations 	<ul style="list-style-type: none"> Demonstrates strong ability in using formulas to solve algebraic equations

SAMPLE

NEXT STEPS:

WEAKNESSES:

STRENGTHS:



Task Sheet 11

11a) This is an input-output table. An input-output table follows certain rules. See if you can find out the rule for this table.



Input	Output
2	6
3	7
4	8
5	9

Which of these rules would be correct?

- i) Add 2 to the number.
- ii) Add 3 to the number.
- iii) Subtract 2 from the number.
- iv) Add 4 to the number.

b) Here is another input-output table. What is the rule for this table?

Input	Output
7	2
11	6
8	3
14	9

Which of these rules would be correct?

- i) Subtract 4 from the number.
- ii) Add 3 to the number.
- iii) Subtract 5 from the number.
- iv) Add 4 to the number.



Drill Sheet 2

a) This is part of the hundreds chart with some numbers missing.

27	28		
		39	
	○		50
57		59	

Which number belongs in the circle?

- i) 29 ii) 38 iii) 48 iv) 60

b) Which number is missing from this pattern?

12, 15, ____, 21, 24

- i) 18 ii) 20 iii) 16 iv) 17

c) Which equation below is correct?

i) $6 + 10 = 6 + 5 + 0$ ii) $6 + 10 = 6 + 5 + 10$

iii) $6 + 10 = 6 + 6 + 5$ iv) $6 + 10 = 6 + 5 + 5$

d) Circle the odd numbers from the list below.

9 8 10 11 3 15

e) Circle the even numbers from the list below.

7 4 9 20 12 1

Graphing, Hundreds Chart, Patterning, Odd Numbers



a) Graph the figure below on the accompanying number line.

x =



b) This is part of the hundreds chart with some numbers missing.

What number belongs in the circle?

Answer: _____

c) Look at the pattern.

How many _____ and _____ would be in the next section of this pattern?

d) Circle the odd numbers from the list below.