

Name _____ Age _____ Date _____

School _____ Grade _____ Teacher _____

MDI Scoring Guide: Grade 8

3: ON TARGET Shows automaticity and/or uses appropriate strategy for grade level; able to explain thinking and makes no mistakes or self corrects without prompting.

2: CLOSE TO TARGET Has good core understanding but it is not completely developed; growing fluency and ability to explain thinking; may need prompting.

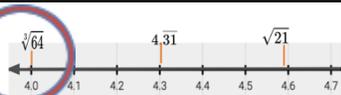
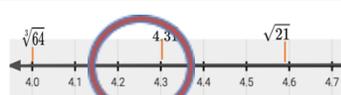
1: BELOW TARGET Shows some understanding but has gaps or flaws in thinking, fluency and explanation.

0: VERY BELOW TARGET Shows little to no understanding.

*NOTE: Only grade level items are included on the scoring guide. (Foundational skills are not included, though a score of 1 could be given if there is evidence of understanding at the grade below. Make a note in the item comment space to support the score.)

Two possible summary sheets are included at the end of this scoring guide based on your need for data collection and share out.

ITEM 1		0	1	2	3	
Compare	A. $-2^4 (<) (-2)^4$	0	1	2	3	
	B. $5^0 (>) \frac{1}{5}$	0	1	2	3	
	C. $(x^3)^2 < x^9$ Student can give an example of when the statement is true (e.g. x=2) and when it is false (e.g. x=-1)	0	1	2	3	Total
	D. $m^4 * m^3 > m^4 + m^3$ Student can give an example of when the statement is true (e.g. m = 10) and when it is false (e.g. m=1)	0	1	2	3	/12

ITEM 2		0	1	2	3	
Number Identification	A. 	0	1	2	3	
	B. 	0	1	2	3	Total
	C. 	0	1	2	3	/9

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ITEM 3 Operations with Scientific Notation	A. 8×10^6	0	1	2	3	Total /6
	B. 4×10^{-3}	0	1	2	3	

ITEM 4 Linear Functions	A. Selects 1 card with justification (A, B, E)	0	1	2	3	Total /6
	B. Selects 2 additional cards with justification	0	1	2	3	

ITEM 5 Graphs of Equations	A. Includes 1 card with justification (1, 3)	0	1	2	3	Total /6
	B. Includes additional card w/ justification	0	1	2	3	

ITEM 6 Comparing Unit Rates	A. Car 1 with justification	0	1	2	3	Total /6
	B. Car 2 with justification	0	1	2	3	

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ITEM 7 Solve Linear Equations	A. $-32 = 7x + 3$ ($x = -5$)	0	1	2	3	Total /6
	B. $4(3x + 2) = 5x - 6$ ($x = -2$)	0	1	2	3	

ITEM 8 Systems of Linear Equations	A. No Solution	0	1	2	3	Total /9
	B. One Solution	0	1	2	3	
	C. Infinitely Many Solutions	0	1	2	3	

ITEM 9 Word Problems	A. Selects 2 answers w/ justification: $(s + 4) + s + (s - 5) = 83$ $3s - 1 = 83$	0	1	2	3	Total /6
	B. Selects 1 answer with justification: System C	0	1	2	3	

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Category	1	2	3	4	5	6	7	8	9	Total
Earned Points										
Possible Points	12	9	6	6	6	6	6	9	6	66

Comments:

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Grade 8 Results				
	0 Very Below Target	1 Below Target	2 Close to Target	3 On Target
# of times student earned this score				
Comments:				