Charles McDonald
2014 Leadership Academy

Data Project

ACUITY – **Friend or Foe?**

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ⓞ ACUITY.

A Comprehensive K-12 Interim Assessment Solution.

Acuity Overview

Prepare Your Students to Learn Real-World Skills with Acuity

CTB has helped thousands of districts implement large-scale interim assessments, partnering with each one to build their foundation for student achievement and college and career readiness. The Acuity College and Career Readiness (CCR) assessment solution, available for Grades 3–8, helps educators measure student growth and achievement in this new era of more rigorous standards. Providing educators unique and valuable standards-based reports, Acuity makes it easy to enrich classroom instruction, personalize learning, and track students' readiness for college and a career.

ACUITY
Assessment Focused on Learning

Subject	Mathematics
Grade of Assessment	N/A
Dates Test Completed	08/28/2013-08/29/2013
Test Name	Algebra 1 Pretest 2013
Report Date	06/18/2014
Class	1H2000-01-ALGEBRA I-MCDONALD
School	Ava High School
District	Ava R-I

	Skill covered									A.3.A model and solve problems, using multiple representations such as graphs, tables, expressions, and linear		
Question Number (Item Type)	1 (MC)	2 (MC)	3 (MC)	4 (MC)	5 (MC)	6 (MC)	7 (MC)	8 (MC)	9 (MC)	10 (MC)	11 (MC)	12 (MC)
Component Type For Interactive Item												
Most Commonly Selected Incorrect Answer	B	C	D	A	C	A,B	B,D	C,D	B	B	D	A

Correct Answer

Student	Student ID	C/I	Pts Obtained (All Items)	% Correct (All Items)	C	B	A	B	A	C	A	B	D	D	B	C
	3055363213	[B]ng	1	8%	C	C	D	D	C	D	D	A	B	A	D	D
	4318426203	[B]ng	4	33%	D	C	A	B	B	D	A	D	B	D	D	B
	3991473046	[B]ng	4	33%	A	C	D	B	D	B	A	B	B	D	C	A
	9690415468	[B]ng	5	42%	C	D	D	B	C	B	A	B	B	C	B	A
	3978200848	[B]														
	9787369703	[B]ng	4	33%	B	A	C	A	A	C	D	B	B	D	C	A
	8415304773	[B]														
	1468918028	[B]ng	3	25%	C	B	A	A	B	A	D	C	B	B	A	B
	5225936725	[B]ng	4	33%	B	A	B	A	C	C	A	B	B	D	D	A
	7442212409	[B]ng	7	58%	C	B	C	A	D	C	B	D	D	D	B	C
	8040388546	[B]ng	3	25%	D	C	D	B	C	B	B	B	B	D	D	A
	6591085718	[B]ng	3	25%	C	C	A	D	A	A	B	C	C	C	A	D
	3165234779	[B]ng	2	17%	A	A	D	C	B	C	A	C	B	B	C	B
	8231178775	[B]														
	1360213325	[B]ng	2	17%	B	D	C	C	C	A	D	A	C	D	D	C
	7548384491	[B]ng	6	50%	B	B	D	B	D	A	B	B	C	D	B	C
	9966282742	[B]ng	4	33%	C	C	D	B	A	B	A	D	C	B	D	B
	9500150735	[B]ng	2	17%	A	A	C	A	C	D	A	B	A	A	A	A
Average			4	30%												
Total Number Scored					15	15	15	15	15	15	15	15	15	15	15	15
Total Number Correct					6	3	3	6	3	4	7	7	1	8	3	3
Percent Correct					40%	20%	20%	40%	20%	27%	47%	47%	7%	53%	20%	20%
Total Number Incorrect					9	12	12	9	12	11	8	8	14	7	12	12
Total Omitted					0	0	0	0	0	0	0	0	0	0	0	0
Total Items Not Scored					0	0	0	0	0	0	0	0	0	0	0	0

Key

"MC" is Multiple Choice
"CRO" is Constructed Resp   "-" is Omitted
"FIB" is Fill in the Blank   "Pts" is Points
"GI" is Grid In   "N/A" is Not Applicable

Constructed Response or Observational Item Score Points

	0	3	6
Correct Ans	1	4	
	2	5	

Subject	Mathematics
Grade of Assessment	N/A
Dates Test Completed	10/16/2013-10/17/2013
Test Name	2013 Algebra 1 First Quarter Exam
Report Date	06/18/2014
Class	1H2000-01-ALGEBRA I-MCDONALD
School	Ava High School
District	Ava R-I
Objective	

Column skills (Question Number / Item Type):

Q	Skill
1 (MC)	A.3.A model and solve problems, using multiple representations such as graphs, tables, expressions, and linear
2 (MC)	A.2.A use symbolic algebra to represent unknown quantities in expressions or equations and solve linear equations with one
3 (MC)	Additional skills covered
4 (MC)	Additional skills covered
5 (MC)	Additional skills covered
6 (MC)	Additional skills covered
7 (MC)	Additional skills covered
8 (MC)	A.3.A model and solve problems, using multiple representations such as graphs, tables, expressions, and linear
9 (MC)	Additional skills covered
10 (CRO)	A.3.A model and solve problems, using multiple representations such as graphs, tables, expressions, and linear
11 (CRO)	Additional skills covered
12 (CRO)	Additional skills covered

Component Type For Interactive Item

Most Commonly Selected Incorrect Answer: A, B, A, D, C, A, D, A, B, N/A, N/A, N/A

Correct Answer: B, C, C, A, A, B, C, B, A, 2 Pts, 2 Pts, 4 Pts

Student	Student ID	Pts Obtained (All Items)	% Correct (All Items)	Pts Obtained (MC only)	% Correct (MC only)	1 B	2 C	3 C	4 A	5 A	6 B	7 C	8 B	9 A	10 2Pts	11 2Pts	12 4Pts
	3055363213	8	47%	5	56%	C	B	C	B	D	B	C	B	A	1	1	1
	4318426203	8	47%	5	56%	B	C	C	A	D	D	D	B	C	1	1	1
	3391473046	11	65%	7	78%	B	C	C	A	A	D	C	A	A	2	1	1
	9690415468	9	53%	5	56%	B	A	C	B	A	C	C	D	A	1	1	2
	3978200848																
	9787369703	5	29%	2	22%	D	A	D	B	A	A	A	B	B	1	1	1
	8415304773	5	29%	3	33%	A	C	D	A	C	A	C	C	C	-	1	1
	1468918028	6	35%	2	22%	D	D	A	D	B	B	D	B	B	1	1	2
	5225936725	8	47%	5	56%	A	B	C	A	C	B	C	B	B	1	1	1
	7442212409	6	35%	4	44%	B	B	A	D	A	C	D	B	A	1	1	0
	8040388546	7	41%	4	44%	B	D	A	A	C	C	C	B	B	1	1	1
	6591085718	7	41%	4	44%	B	C	D	C	A	A	C	D	B	1	1	1
	3165234779	6	35%	2	22%	B	C	D	B	B	A	B	A	B	2	1	1
	8231178775																
	1360213325	6	35%	3	33%	B	B	A	D	C	A	A	B	A	1	1	1
	7548384491	5	29%	2	22%	C	B	A	D	A	C	C	A	B	1	1	1
	9966282742	2	12%	2	22%	B	D	A	D	B	D	D	B	D	-	-	-
	9500150735	8	47%	5	56%	A	C	C	D	C	D	C	B	A	1	1	1
Average		7	39%	4	42%												
Total Number Scored						16	16	16	16	16	16	16	16	16	16	16	16
Total Number Correct						9	6	6	5	6	3	9	10	6	N/A	N/A	N/A
Percent Correct						56%	38%	38%	31%	38%	19%	56%	63%	38%	50%	47%	25%
Total Number Incorrect						7	10	10	11	10	13	7	6	10	N/A	N/A	N/A
Total Omitted						0	0	0	0	0	0	0	0	0	2	1	1
Total Items Not Scored						0	0	0	0	0	0	0	0	0	0	0	0

Key

"MC" is Multiple Choice
"CRO" is Constructed Res — "-" is Omitted — Correct Answ
"FIB" is Fill in the Blank — "Pts" is Points
"GI" is Grid In — "N/A" is Not Applicable

Constructed Response or Observational Item Score Points

0	3	6
1	4	
2	5	

ACUITY
Assessment Focused on Learning

Subject	Mathematics
Grade of Assessment	High School
Dates Test Completed	03/19/2014-03/19/2014
Test Name	Acuity Common Core HS Algebra I Unit 2 Session 1
Report Date	06/18/2014
Class	1H2000-01-ALGEBRA I-MCDONALD
School	Ava High School
District	Ava R-I
Objective	

All question columns headed: **Additional skills covered**

Question Number (Item Type)	1 (MC)	2 (MC)	3 (MC)	4 (MC)	5 (MC)	6 (MC)	7 (MC)	8 (MC)	9 (MC)	0 (MC)	1 (MC)	2 (MC)	3 (MC)	4 (MC)	5 (MC)	6 (CRO)
Component Type For Interactive Item																
Most Commonly Selected Incorrect Answer	A	C	C	A	A	A	B	C	D	B,D	C	D	A	B	A	N/A
Correct Answer	C	B	B	B	D	B	C	A	B	C	B	A	D	D	B	3 Pts

Student	Student ID	Pts Obtained (All Items)	% Correct (All Items)	Pts Obtained (MC only)	% Correct (MC only)	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	3 Pts
	3055363213																				
	4318426203	9	50%	7	47%	A	B	D	A	D	B	B	A	D	C	B	B	A	C	B	2
	3991473046	14	78%	11	73%	C	B	B	B	D	B	C	A	D	C	C	A	C	D	A	3
	9690415468	6	33%	4	27%	A	A	D	D	C	B	B	C	B	C	D	A	A	A	A	2
	3978200848																				
	9787369703	9	50%	7	47%	B	B	C	B	D	B	A	A	D	B	A	A	C	D	A	2
	8415304773																				
	1468918028	5	28%	3	20%	A	C	A	A	D	A	A	A	D	B	C	D	D	B	A	2
	5225936725	10	56%	7	47%	A	C	C	C	D	B	C	D	D	C	D	A	D	B	B	3
	7442212409	8	44%	5	33%	C	C	C	B	D	B	C	C	C	D	D	B	B	A	C	3
	8040388546	9	50%	7	47%	B	C	C	B	D	B	C	C	D	C	D	A	C	D	A	2
	6591085718	8	44%	6	40%	B	D	C	B	D	B	B	D	A	C	C	D	D	B	B	2
	3165234779	8	44%	6	40%	C	D	B	A	A	C	B	A	B	C	C	A	B	A	A	2
	8231178775																				
	1360213325	9	50%	7	47%	B	A	C	B	D	B	B	D	A	C	C	D	D	D	B	2
	7548384491	6	33%	5	33%	A	B	C	B	A	B	C	B	D	D	C	A	A	B	C	1
	9966282742	10	56%	7	47%	A	B	C	C	B	A	B	C	B	C	B	A	D	D	A	3
	9500150735	12	67%	9	60%	C	C	D	B	D	B	A	A	B	C	D	D	A	D	B	3
Average		9	49%	7	43%																
Total Number Scored						14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Total Number Correct						4	5	2	8	10	11	5	6	4	10	2	8	5	6	5	N/A
Percent Correct						29%	36%	14%	57%	71%	79%	36%	43%	29%	71%	14%	57%	36%	43%	###	76%
Total Number Incorrect						10	9	12	6	4	3	9	8	10	4	12	6	9	8	9	N/A
Total Omitted						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Items Not Scored						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Key

"MC" is Multiple Choice
"CRO" is Constructed Resp   "-" is Omitted
"FIB" is Fill in the Blank   "Pts" is Points
"GI" is Grid In   "N/A" is Not Applicable

Constructed Response or Observational Item Score Points

Correct Answer	0	3	6
	1	4	
	2	5	

DATA RESULTS

All students improved from the pretest to the last test.

That being said, the original and ending scores were terrible, according to normal understanding of the grading system.

The reasoning for this testing program is to *shape instruction*.

Scores from these tests should not be used in the grading process.

Scores should be used to shape instruction.

All improved, so it was actually success for this class.

Prepared by Charles L. McDonald Ava R-1 School District Ava, MO (417) 683-5747

2013-2014 Leadership Academy Class
Suzy Cutbirth – SW Regional Director