

Pre-Formatted Reports: Benchmark Test Item Analysis - New Format

Data Selections

Institution(s): All School Types, All Schools
Benchmark Administration: 09/03/14, 2014-2015 Baselines Math II
Trend Profile: 2014-2015
Subject: Mathematics
Test Focus: Mathematics
Test Level: All Benchmark Test Levels
Test Category: District Benchmark
Grade: All Grade Levels
Enrollment: Total for 2014-2015

Number of questions: 30
 Number of test-taking students: 1041

Student Responses

Question - Type	Correct		Incorrect	Most Common Mistake		Point Value	Points Achieved / Possible	P-Value/Item Mean	Discrimination
	Rate	Value	Total Rate	Rate	Value				
1 - Multiple Choice	40%	C	60%	24%	A	1	414 / 1041	0.42	-0.03
2 - Multiple Choice	48%	B	52%	24%	C	1	498 / 1041	0.55	0.11
3 - Multiple Choice	45%	B	55%	24%	C	1	469 / 1041	0.49	0.31
4 - Multiple Choice	62%	A	38%	14%	B	1	642 / 1041	0.77	0.20
5 - Multiple Choice	58%	A	42%	17%	B	1	608 / 1041	0.47	0.30
6 - Multiple Choice	39%	B	61%	26%	C	1	408 / 1041	0.40	0.38
7 - Multiple Choice	56%	A	44%	21%	C	1	585 / 1041	0.70	0.40
8 - Multiple Choice	45%	C	55%	21%	B	1	469 / 1041	0.51	0.43
9 - Multiple Choice	76%	C	24%	8%	B	1	794 / 1041	0.94	0.34
10 - Multiple Choice	16%	C	84%	36%	A	1	164 / 1041	0.11	0.25
11 - Multiple Choice	25%	A	75%	29%	C	1	259 / 1041	0.36	0.06
12 - Multiple Choice	42%	B	58%	27%	A	1	436 / 1041	0.38	0.42
13 - Multiple Choice	42%	B	58%	20%	C	1	435 / 1041	0.62	0.37
14 - Multiple Choice	40%	D	60%	29%	C	1	413 / 1041	0.36	0.32
15 - Multiple Choice	52%	B	48%	25%	A	1	545 / 1041	0.49	0.27
16 - Multiple Choice	73%	C	27%	12%	D	1	761 / 1041	0.85	0.24
17 - Multiple Choice	46%	C	54%	20%	B	1	474 / 1041	0.49	0.30
18 - Multiple Choice	41%	D	59%	31%	B	1	422 / 1041	0.57	0.52
19 - Multiple Choice	35%	A	65%	32%	B	1	362 / 1041	0.36	0.47
20 - Multiple Choice	65%	A	35%	14%	B	1	674 / 1041	0.72	0.47

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21 - Multiple Choice	34%	B	66%	24%	D	1	357 / 1041	0.38	0.18
22 - Multiple Choice	29%	D	71%	25%	C	1	297 / 1041	0.21	0.20
23 - Multiple Choice	26%	D	74%	36%	C	1	275 / 1041	0.23	0.53
24 - Multiple Choice	25%	B	75%	35%	A	1	260 / 1041	0.23	0.10
25 - Multiple Choice	38%	D	62%	30%	A	1	392 / 1041	0.40	0.04
26 - Multiple Choice	54%	C	46%	20%	B	1	563 / 1041	0.60	-0.02
27 - Multiple Choice	50%	A	50%	21%	B	1	521 / 1041	0.51	0.13
28 - Multiple Choice	45%	C	55%	25%	B	1	466 / 1041	0.32	0.18
29 - Multiple Choice	29%	D	71%	29%	C	1	299 / 1041	0.23	0.16
30 - Multiple Choice	53%	B	47%	19%	A	1	550 / 1041	0.38	0.30
Summary	44%		56%				460 / 1041		

P-value represents an item's difficulty as evaluated by dividing the total number of correct responses by the total number of students tested. P-value is calculated for true/false, multiple choice, gridded or hot spot-single response items.

Item Mean is the average score for student responses to an open response question or to a multi-part question. Item Mean is calculated for inline response, matching or hot spot-multiple selections items.

Discrimination or Item Total Score Correlation is the correlation between the question score and the overall test score and indicates the extent to which success on an item corresponds to success on the test.

Standards Alignment to NC Standards

Question	ID	Standard Description
1 - Multiple Choice		High School - Algebra
2 - Multiple Choice		High School - Algebra
3 - Multiple Choice		High School - Algebra
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11 - Multiple Choice		High School - Algebra
12 - Multiple Choice		High School - Algebra
13 - Multiple Choice		High School - Algebra
14 - Multiple Choice		High School - Algebra
15 - Multiple Choice		High School - Algebra
16 - Multiple Choice		High School - Algebra
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19 - Multiple Choice		High School - Algebra
20 - Multiple Choice		High School - Algebra

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25 - Multiple Choice	High School - Algebra
26 - Multiple Choice	High School - Algebra
27 - Multiple Choice	High School - Algebra
28 - Multiple Choice	High School - Algebra
29 - Multiple Choice	High School - Algebra
30 - Multiple Choice	High School - Algebra
