

Adult Summary Report: BASI Survey - Math Skills

Achilles N. Bardos, PhD

Name: Sample, Jeffrey A. **Age:** 11
ID: 000000660 **Years of Education:** 6
Gender: Male **Test Date:** 10/23/2002
Birth Date: 03/31/1991

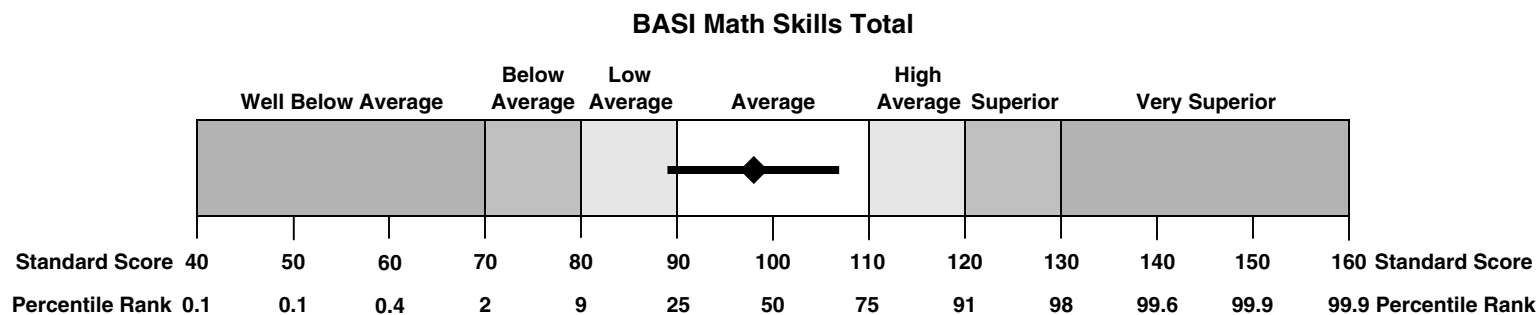
Total and Skill Areas	SS	Confidence Interval	Percentile Rank	Performance	GE
Total Math Score	98	89 - 107	45	Average	5.2
Math Computation	10			Average	
Math Application	10			Average	

SS = Standard Score (Total Math Mean 100; SD=15) (Skill Area Mean 10; SD=3) GE = Grade Equivalent

Jeffrey's Math Skills Total Score is in the Average range (SS = 98). His score is at the 45th percentile, which indicates that his performance is equal to or better than that of 45% of examinees of a similar age in the general population. It is likely that Jeffrey's true Math Skills Total Score is in the range of 89 (Low Average) to 107 (Average).

Jeffrey's performance is in the Average range (Math Computation SS = 10) for questions that involve applying the four basic arithmetic operations to whole numbers, fractions, and decimals and simplifying numerical expressions and algebraic equations. His score is in the Average range (Math Application SS = 10) for items that involve solving word problems using the basic arithmetic operations, reading and interpreting data presented in graphs and tables, measuring shapes and determining volumes, and demonstrating knowledge of measurement principles as they relate to length, weight, perimeter, and money.

A detailed presentation of Jeffrey's response to each Math Skills item is presented on the following pages. This item listing can be used to identify the specific skills he has mastered and areas in which he might need additional help.



Item Number	Learning Objective Measured	Response
Math Computation		
1	Finds the sum of two or more whole numbers with or without regrouping	Correct
2	Finds the difference between two or more whole numbers with or without regrouping	Correct
3	Finds the product of a whole number of up to three-digits and a one-digit whole number with or without regrouping	Incorrect
4	Finds the quotient without a remainder	Correct
5	Compares a pictured pair of fractions using $<$, $>$, or $=$	Correct
6	Finds the difference of a pair of like fractions	Correct
7	Finds the sum of three decimal numbers to the tenths place	Correct
8	Finds the difference between two decimal numbers to the hundredths place with or without regrouping	Correct
17	Finds the quotient of two whole numbers	Correct
18	Finds the sum of three whole numbers	Correct
19	Finds the sum of decimals	Incorrect
20	Finds a quotient containing three or more decimal places	Incorrect
21	Finds the product of fractions and whole numbers	Correct
22	Finds the difference between mixed numbers and fractions	Correct
23	Determines the square root of a perfect square	Incorrect
24	Finds the cubes of positive whole numbers through multiplication	Incorrect
25	Uses the order of operations to simplify and solve number sentences	Incorrect
26	Uses the order of operations to simplify and solve number sentences	Incorrect
27	Solves simple algebraic equations	Correct
28	Solves algebraic equations using the correct order of operations	Correct
29	Simplifies algebraic expressions with polynomials	Incorrect
43	Converts fractions	No Response
44	Converts decimals into percents	No Response
45	Uses the order of operations to simplify and solve number sentences	No Response
46	Converts a percent into a fraction	No Response
47	Simplifies algebraic expressions	No Response
48	Solves linear equations with one variable	No Response
49	Simplifies algebraic expressions	No Response
50	Finds the difference between two mixed fractions	No Response
51	Finds the sum, difference, or product of both positive and negative integers	No Response
52	Uses the order of operations to simplify and solve number sentences	No Response
53	Simplifies numerical expressions using absolute value signs	No Response
54	Solves linear equations	No Response
Math Application		
9	Solves one-step word problems using whole numbers	Correct
10	Solves word problems involving fractions	Incorrect
11	Solves word problems involving decimals	Correct
12	Solves word problems involving measurement	Correct
13	Locates decimals on a number line	Correct
14	Calculates perimeter	Correct
15	Chooses the correct metric unit of measure for the weight of a pictured object	Incorrect
16	Interprets data in tables	Correct
30	Solves multi-step word problems with whole numbers	Correct
31	Solves multi-step word problems with whole numbers	Correct
32	Solves word problems involving proportions	Incorrect
33	Solves word problems involving proportions	Incorrect
34	Solves word problems involving percents	Incorrect
35	Solves word problems involving percents	Incorrect
36	Identifies coordinates of points on the four-quadrant coordinate plane	Incorrect
37	Translates a sentence into an algebraic equation	Incorrect
38	Computes the range of a set of numbers	Correct
39	Determines the probability of the outcome of events represented as a fraction	Incorrect
40	Solves word problems involving percents	No Response
41	Calculates the area of a polygon	No Response

Item Number	Learning Objective Measured	Response
Math Application - continued		
42	Uses the Pythagorean theorem to solve a word problem	No Response
55	Solves a multi-step word problem	No Response
56	Solves a multi-step word problem	No Response
57	Solves a multi-step word problem	No Response
58	Solves a multi-step word problem using decimals	No Response
59	Computes the range of data presented in a graph	No Response
60	Solves a multi-step word problem involving units of measurement	No Response
61	Solves a multi-step word problem involving units of measurement	No Response
62	Solves a word problem involving exponents	No Response
63	Uses inverse properties in algebraic equations	No Response
64	Applies knowledge of shapes to math problems	No Response
65	Finds the solution set for an inequality	No Response
66	Interprets data presented in a chart	No Response
67	Determines the slope of a line	No Response
68	Finds the length of altitudes and angle bisectors within triangles	No Response

End of Math Skills Item Responses.



Basic Achievement Skills Inventory

Timed: Yes
 ESL: No
 Accommodations: No
 Report Date: 07/20/2004

Adult Summary Report: BASI Survey - Verbal Skills
 Achilles N. Bardos, PhD

Name: Sample, Jeffrey A. **Age:** 11
ID: 000000660 **Years of Education:** 6
Gender: Male **Test Date:** 10/23/2002
Birth Date: 03/31/1991

Total and Skill Areas	SS	Confidence Interval	Percentile Rank	Performance	GE
Total Verbal Score	101	93 - 108	53	Average	5.9
Vocabulary	13			High Average	
Language Mechanics	8			Average	
Reading Comprehension	10			Average	

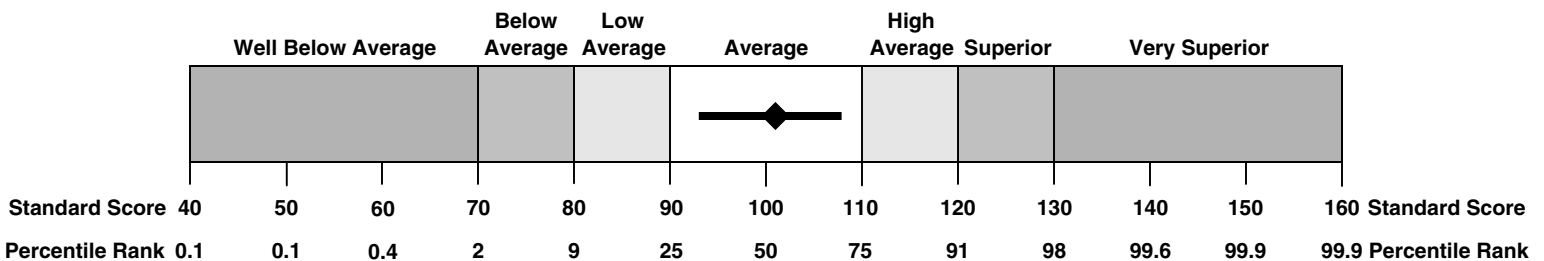
SS = Standard Score (Total Verbal Mean 100; SD=15) (Skill Area Mean 10; SD=3) GE = Grade Equivalent

Jeffrey's Verbal Skills Total Score is in the Average range (SS = 101). His score is at the 53rd percentile, which indicates that his performance is equal to or better than that of 53% of examinees of a similar age in the general population. It is likely that Jeffrey's true Verbal Skills Total Score is in the range of 93 (Average) to 108 (Average).

Jeffrey performed in the High Average range (Vocabulary SS = 13) on questions that involve recognizing the meaning of words in isolation and in sentences, identifying synonyms and antonyms, and analyzing verbal analogies. He scored in the Average range (Language Mechanics SS = 8) on questions that involve recognizing and correctly using nouns, verbs, adjectives, and adverbs and following grammar and syntax rules. Finally, he performed in the Average range (Reading Comprehension SS = 10) on questions involving literal comprehension (for example, identifying details and facts in a passage) and inferential comprehension (for example, determining cause and effect relationships, making inferences, and drawing conclusions based on the information in a passage).

A detailed presentation of Jeffrey's response to each Verbal Skills item is presented on the following pages. This item listing can be used to identify the specific skills he has mastered and areas in which he might need additional help.

BASI Verbal Skills Total



Item Number	Learning Objective Measured	Response
Vocabulary		
1	Uses knowledge of context cues within a sentence to determine the meaning of an unfamiliar word	Correct
2	Uses knowledge of context cues within a sentence to determine the meaning of an unfamiliar word	Correct
3	Uses knowledge of context cues within a sentence to determine the meaning of an unfamiliar word	Correct
4	Uses knowledge of prefixes to determine word meaning	Correct
5	Uses knowledge of roots to determine word meaning	Incorrect
20	Uses knowledge of roots to determine word meaning	Incorrect
21	Uses knowledge of prefixes to determine word meaning	Correct
22	Identifies the correct synonym for a word	Correct
23	Identifies the correct synonym for a word	Correct
24	Identifies the correct antonym for a word	Correct
25	Identifies the correct antonym for a word	Incorrect
41	Uses knowledge of roots to determine word meaning	Correct
42	Uses knowledge of prefixes to determine word meaning	Correct
43	Uses knowledge of suffixes to determine word meaning	Incorrect
44	Identifies the correct synonym for a word.	Incorrect
45	Identifies the correct synonym for a word	Incorrect
46	Identifies the correct synonym for a word	Incorrect
47	Identifies the correct synonym for a word	Incorrect
48	Identifies the correct antonym for a word	Correct
49	Analyzes analogies	Correct
50	Analyzes analogies	Correct
Language Mechanics		
6	Applies knowledge of subject/verb agreement	Correct
7	Applies knowledge of subject/verb agreement	Correct
8	Uses the correct form of an adverb	Incorrect
9	Identifies the correct noun indicator	Correct
10	Uses apostrophes correctly in contractions	Incorrect
11	Capitalizes nouns correctly	Incorrect
12	Uses apostrophes correctly in possessives	Incorrect
13	Uses commas correctly in dates	Correct
26	Uses the correct verb tense in a sentence	Correct
27	Recognizes double negatives in a sentence	Incorrect
28	Uses correct irregular noun forms	Incorrect
29	Uses the correct form of adverbs	Incorrect
30	Applies knowledge of subject/verb agreement	Correct
31	Applies knowledge of subject/verb agreement	Incorrect
32	Uses apostrophes correctly in possessives	Correct
33	Uses quotation marks correctly for direct quotations in a sentence	Correct
51	Correctly capitalizes proper nouns in a sentence	Incorrect
52	Uses the correct form of an irregular verb	Incorrect
53	Applies knowledge of subject/verb agreement	Correct
54	Uses commas correctly in a sentence	Incorrect
55	Uses the correct irregular pronoun in a sentence	Incorrect
Reading Comprehension		
14	Recalls relevant details in a passage	Correct
15	Follows written directions	Correct
16	Determines cause and effect relationships in a passage	Correct
17	Draws inferences from a passage	Correct
18	Uses own knowledge to predict outcomes	Correct
19	Infers the main idea of passage	Correct
34	Recalls relevant details in a passage	Incorrect
35	Identifies the correct order of events in a passage	Incorrect
36	Infers the main idea of a passage	Incorrect
37	Determines cause and effect relationships in a passage	Incorrect

Item Number	Learning Objective Measured	Response
Reading Comprehension - continued		
38	Determines probable outcome based on knowledge of world	Incorrect
39	Differentiates fact from opinion	Correct
40	Identifies forms of bias (e.g., false claims)	Correct
56	Recalls the correct sequence of events in a passage	Incorrect
57	Recognizes the correct summary of a passage	Incorrect
58	Determines cause and effect relationships in a passage	Incorrect
59	Draws correct conclusion from a passage	Incorrect
60	Analyzes the author's perspective correctly	Incorrect
61	Identifies the conflict and climax of a plot	No Response
62	Analyzes the effects of figurative language (e.g., similes)	No Response
63	Recalls the correct sequence of events in a passage	No Response
64	Infers the main idea of a passage	No Response
65	Determines cause and effect relationships in a passage	No Response
66	Compares and contrasts details from a passage	No Response
67	Makes inferences about a passage	No Response
68	Recognizes the author's perspective	No Response
69	Differentiates fact from opinion	No Response
70	Identifies persuasive techniques or forms of bias	No Response
71	Identifies characteristics of a plot in a passage	No Response
72	Analyzes the setting in a passage	No Response
73	Analyzes the effects of figurative language in a passage	No Response

End of Verbal Skills Item Responses.