Linear Assessment Platform

Create new assessment content or easily convert existing paper-based tests for electronic delivery and reporting

What is Linear Testing?

Linear assessments are the common test type everyone is familiar with from school. Unlike more sophisticated adaptive tests that adjust question difficulty based on answering patterns, linear tests provide the same questions in the same order to every test taker.

Linear testing provides a simple alternative to adaptive testing when a comprehensive detailed analysis of strengths and weaknesses is not required. Linear testing is ideal for converting existing paper-based tests to electronic delivery and scoring. It is well suited for paper-based tests with true/false, multiple choice or fill-in-the-blank questions. Linear testing is the preferred model for aptitude testing and simplifying custom test creation.

IKM's linear assessment platform provides the same administrative tools and test delivery as our more sophisticated adaptive tests. Assessment results are stored in a secured Human Intelligence Database (HID) and IKM provides you with individual and aggregate knowledge analysis and reporting. Further analysis at individual or group level is made easy with IKM SkillSearch™, IKM CompareScores™, and IKM SkillGap Analysis™.

Assessment Platform

Like the IKM adaptive platform, the IKM linear assessment platform enables designated test administrators to schedule online tests for candidates. The tests can be taken in the client's own proctored setting or remotely at a convenient time.

Assessment results are available for analysis and reporting immediately upon completion of the test. Analysis is provided for individual assessments or collectively for a group of test results such as a particular department or training class.

 IKM's linear assessment platform can easily be integrated with LMS and HR systems.

Assessment Creation

IKM's linear assessment platform allows for easy conversion of existing paper-based tests into an electronic format that can be delivered and scored online.

An easy-to-use test creation tool (IKM TestWrite©) provides for quick development of test content incorporating any combination of traditional question types including true/false, multiple choice, and fill in the blank.

Assessment Format

IKM linear assessments can deliver questions in sections (sub-topics) with each section having its own time limit and independent scoring. A question review screen is provided at the end of each section so that test takers may review prior questions and revise their answers.

Clients can choose the order in which the questions are delivered. Point values can be assigned to questions indicating how much that question contributes to the overall score.

Scoring

IKM's linear assessments offer several scoring alternatives. From a simple percent of questions answered correctly to more sophisticated scoring using individual question point values, IKM can automate your scoring needs.

Assessment results include a percentile score showing how the individual stacks up against everyone who took the same assessment as well as a test time comparison. There is also a detailed analysis for individual questions. If the assessment contains skills sections, results also include a scoring breakdown by sections (skills).

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An example of a standard linear assessment result:

PROFICIENCY PROFILE ™

IKM International Knowledge Measurement
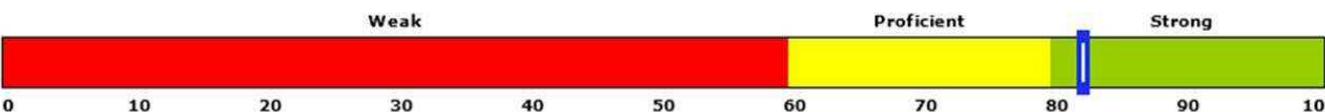
Assessment Result for: **George Jones**

Date: **08/13/2012**

Subject: **PROGRAMMER APTITUDE TEST (BETA)**

Client: **World Wide #3**

This assessment was self-administered and not taken under supervised conditions.

Score: 82

	Weak	Proficient	Strong

0   10   20   30   40   50   60   70   80   90   100

Percentile: 79 %

George has scored higher than 79% of all test takers in this subject.

Timing (hh:mm)

Test Time: **00:56**

Average Test: **00:48**

Skills Description:

Numerical Reasoning measures ability to understand mathematical concepts and to apply that ability in solving numerical problems.

Cognitive Processing evaluates the ability to follow complex directions and process information.

Analytical Reasoning measures ability to analyze complex processes and to logically solve problems.

Skills Analysis:

Skills	Weak	Proficient	Strong
Numerical Reasoning			
Cognitive Processing			
Analytical Reasoning			

0   60   80   100

Question Analysis:

No.	Result	Points	% Correct *	No.	Result	Points	% Correct *	No.	Result	Points	% Correct *	No.	Result	Points	% Correct *
1	Correct	1	85%	2	Correct	2	49%	3	Correct	1	73%	4	Correct	1	75%
5	Correct	2	75%	6	Correct	2	86%	7	Correct	3	64%	8	Correct	3	78%
9	Wrong	3	47%	10	Correct	3	53%	11	Correct	1	88%	12	Correct	1	89%
13	Wrong	2	58%	14	Correct	2	88%	15	Wrong	5	29%	16	Correct	4	42%
17	Wrong	5	47%	18	Correct	3	70%	19	Correct	5	63%	20	Correct	6	41%
21	Correct	2	78%	22	Correct	3	53%	23	Wrong	3	30%	24	Correct	3	56%
25	Correct	6	70%	26	Correct	5	73%	27	Correct	7	73%	28	Correct	5	78%
29	Correct	5	75%	30	Correct	6	53%								

* This number represents the percent of all test takers who answered that question correctly