

METER READER APTITUDE BATTERY

Online Brochure

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Meter Reader Aptitude Battery (MRAB)

The Meter Reader Aptitude Battery was the result of an extensive research program sponsored by EEI. The study showed that the tests in the battery are job-related and can predict candidates' probability of success as Meter Readers. Extensive analysis of the selection tests and job performance showed that incumbent meter readers who achieve higher scores on the test battery received higher ratings of job performance. Further, results showed that the test was fair to all examinees.

The Meter Reader Aptitude Battery is used to select candidates whose job requires the reading of company meters and the recording of data. This battery can be administered in less than 20 minutes. There are two aptitude tests in the battery: **Using Tables** and **Coding**. Both tests measure perceptual speed and accuracy, and the goal is to correctly answer as many items as possible in the time allotted. Descriptions and examples of each test are below.

Using Tables. This test measures the ability to obtain information from a given table of numbers quickly and accurately. The test contains 85 items, and there is a 6-minute time limit.

Example:

First Letter					
<u>Last Name</u>	<u>71027</u>	<u>73992</u>	<u>75195</u>	<u>78001</u>	<u>79504</u>
A	05	13	04	25	11
B	03	10	20	17	28
C	15	21	12	01	20
D	22	09	08	15	19

Letter and Zip Code

1. B-71027
- | | | | | | |
|--|-----------------------|----------------------------------|-----------------------|-----------------------|-----------------------|
| | 10 | 03 | 05 | 15 | NONE |
| | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
2. D-75195
- | | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|
| | 09 | 12 | 19 | 18 | NONE |
| | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

Coding. This test measures the ability to assign correct code numbers to data by using an existing coding scheme. The test consists of 18 items that each have four problems to answer, for a total of 72 problems. The time limit for the test is 5 minutes.

Example:

In the problems, darken the circles below the codes that correspond to the information found in the table.

Department	Department Size	Travel Budget
31 Marketing	1 1-9 employees	A \$500-999
25 Operations	2 10-19 employees	B \$1,000-2,499
42 Accounting	3 20-39 employees	C \$2,500-5,999
11 Research & Development	4 40-59 employees	D \$6,000-7,999
28 Personnel	5 60 or more employees	E \$8,000-10,000

S1. Accounting Dept., staff of 10, \$3,000 Travel Budget.

Department					Department Size					Travel Budget				
11	25	28	31	42	1	2	3	4	5	A	B	C	D	E
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Scoring and Interpretation

An examinee's scores on the tests that comprise the Meter Reader Aptitude Battery are combined into an overall score. High scores on this test battery reflect the examinee's perceptual speed, reasoning ability, and ability to remember information, which are related to job performance.