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Statistical Study 1992  
AGO-Rep-92  
14 July 1941  
IES

6 TRIAL FORM H-1 and H-2

123

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The H-1 and H-2 tests were given to 375 selectees at the Replacement Center, Aberdeen Proving Ground, Md. These selectees were members of the 1st Battalion, Co. B, and 2nd Battalion, Co. D. GCT-1a (or GCT-1b) scores for each man tested were obtained from Captain Hill of the Classification Section at the Replacement Center.

The original intention of this study was to establish norms for the H-1 and H-2 tests. Since the statistical analysis began, H-1 and H-2 were revised in such a way that it was felt the scores obtained on the new forms would not be exactly comparable to the scores we had from Aberdeen Proving Ground. Therefore, no attempt was made to establish norms. The results are presented, then, for reference use only.

Correlation coefficients were computed between 1a (or 1b) score and the first administration of H-1; between 1a (or 1b) score and the first administration of H-2; between first administration H-1 plus second administration H-1 and first administration H-2 plus second administration H-2. These correlations, together with the means and sigmas for each test, were as follows:

TABLE I.

Summary of Correlation Coefficients

	N	r	1a	M		1a	H-1	H-2
1a with H-1*	168	.83	107.47	33.66		20.83	24.63	
1a with H-2*	206	.81	105.32		30.49	19.59		21.81
H-1 with H-2*	184	.89		33.75	34.29		24.03	26.45

Summary tables (charts in file) for both H-1 and H-2 tests (first administration only for both tests) were prepared to show the percentage of 1a Army Grade Totals which fell into each 5-point interval on H-1 and H-2 score. In the last column in the tables is shown the percent of cases which were identified with each Army Grade.

\*1a (or 1b) scores were standard scores; H-1 and H-2 scores were raw scores.

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Joe

Reliability Coefficients of Parts

	<u>H-1</u>	<u>H-2</u>
Vocabulary	.928	.919
Arithmetic	.875	.880
Number Series	.941	.923

Note: N = 168 for H-1 sample; N = 207 for H-2 sample. These are essentially the same populations as were used in computing the reliability coefficients of the total tests.

Reliability coefficients were calculated for H-1 and H-2 by the Kuder-Richardson formula #21.

H-1

Sample used in finding correlation between Ia and H-1. N = 168

rtt = .965

Sample used in finding correlation between H-1 and H-2. N = 184

rtt = .962

H-2

Sample used in finding correlation between Ia and H-2. N = 206

rtt = .957

Sample used in finding correlation between H-1 and H-2. N = 184

rtt = .970

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