

GUIL320

GUILFORD JP/LACEY JI (EDS) - MALE UNCLASSIFIED AVIATION STUDENTS  
PRINTED CLASSIFICATION TESTS  
WASHINGTON:GPO 1947 AAF AVIAT PSYCHOL RPT #5 - TABLE 8.10 P.148

N=1024

\*\*\* HIERARCHICAL FACTOR MATRIX, ORDER 1 \*\*\*

V#	1	2	3	4	5	H^2
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY ..2G; ORDER 2						
FACTOR 2: O1;F2 MECHANICAL JUDGMENT .....MK; ORDER 1						
1 +#9 MECHANICAL COMPREHENSION .....	.51	.22	.084	-.315	.02	.41
2 +#4 MECHANICAL JUDGEMENT .....	.50	.19	-.07	-.02	-.04	.29
3 +#2 JUDGEMENT AC10A .....	.44	.17	-.10	.03	-.04	.23
4 +12 MECHANICAL MOVEMENTS .....	.43	.15	.07	-.19	.08	.26
5 +#8 INFORMATION IN JUDGEMENT .....	.37	.10	.05	-.01	.02	.15
FACTOR 3: O1;F3 REASONING .....RG; ORDER 1						
6 +#7 ARITHMETICAL REASONING .....	.52	.02	.55	-.03	-.07	.57
7 +#5 LOGICAL REASONING JUDGEMENT ..	.46	-.01	.37	.08	.08	.36
8 +#6 DEDUCTIVE REASONING .....	.42	.01	.32	.10	.01	.29
FACTOR 4: O1;F1 VERBAL ABILITY .....V; ORDER 1						
9 +#1 VOCABULARY .....	.47	.01	.06	.44	-.02	.42
10 +10 REASONING IN READING .....	.51	.00	.10	.36	.10	.41
11 +#3 COMMONSENSE (PURE) JUDGEMENT .	.42	.08	-.01	.19	-.04	.22
12 +11 SYLLOGISMS .....	.35	.04	.03	.13	.11	.15
FACTOR 5: O1;F4 INDUCTIVE REASONING .....I; ORDER 1						
13 +13 FIGURE ANALOGIES .....	.47	.02	-.03	.07	.59	.58
14 +14 PATTERN REASONING .....	.46	-.01	.26	-.09	.51	.55
SMSQ: 2.88 .15 .65 .54 .65 4.88						

\*\*\* HIERARCHICAL FACTOR MATRIX, ORDER 2 \*\*\*

HF # 1ST-ORD FACTOR	1	H^2
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY ..2G; ORDER 2		
HF 2 O1;F2 MECHANICAL JUDGMENT .....MK	.95	.91
HF 3 O1;F3 REASONING .....RG	.69	.47
HF 4 O1;F1 VERBAL ABILITY .....V	.68	.46
HF 5 O1;F4 INDUCTIVE REASONING .....I	.54	.29
SMSQ: 2.13 2.13		