

GUIL 31

Handwritten notes and a vertical list of numbers: 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46. A large arrow points downwards from the top of the list.

GUILFORD JP/LACEY JI (EDS) - TABLE 7.19 P.114
PRINTED CLASSIFICATION TESTS - WASHINGTON;GPO 1947
AAF AVIATION PSYCHOL PROGRAM REPORT NO. 5
CLASSIFIED PILOTS BEFORE PREFLIGHT TRAINING -NONVERBAL REASONING BTY

N=200

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

V#	1	2	3	4	5	6	H^2
FACTOR 1: O2;F1 GEN'L COGNITIVE ABILITY .22G; ORDER 2							
FACTOR 2: O1;F1 VISUALIZATION .....VZ; ORDER 1							
1 +20 SPATIAL VISUALIZATION II .....	.77	.33	.07	-.04	-.04	.04	.71
2 +19 SPATIAL VISUALIZATION I.....	.74	.30	.07	.13	-.07	-.12	.69
3 +16 SPATIAL REASONING .....	.61	.28	-.10	.04	.01	.27	.54
4 +13 PATTERN COMPREHENSION .....	.63	.25	.08	-.06	.10	-.17	.51
5 +18 FIGURE ANALOGIES .....	.67	.25	.08	.01	.08	.12	.54
6 +10 COMPETITIVE PLANNING .....	.37	.22	-.07	-.16	.01	.19	.25
7 +#7 MECHANICAL PRINCIPLES .....	.52	.17	.20	.22	-.27	-.07	.47
8 +14 QP901A;PART III .....	.34	.14	-.03	.09	.06	-.16	.18
9 +17 FIGURE CLASSIFICATION .....	.33	.13	.03	.04	-.01	.09	.14
FACTOR 3: O1;F4 VERBAL ABILITY .....V; ORDER 1							
10 +#4 READING COMPREHENSION .....	.56	.04	.62	-.01	-.08	-.01	.70
11 +#3 VOCABULARY-NAVIGATOR .....	.41	-.05	.57	-.05	.14	.10	.53
12 +11 INSTRUMENT COMPREHENSION I ...	.55	.08	.26	.16	.18	.01	.44
FACTOR 4: O1;F5 SPATIAL RELATIONS .....SR; ORDER 1							
13 +12 INSTRUMENT COMPREHENSION II ..	.48	-.00	.27	.52	-.01	.01	.57
14 +#8 COMPLEX COORDINATION .....	.37	.06	-.04	.42	.09	.09	.34
15 +#9 PLANNING AIR MANEUVERS .....	.45	.16	-.03	.40	-.26	.26	.52
FACTOR 5: O1;F3 PERCEPTUAL SPEED .....P; ORDER 1							
16 +#2 SPATIAL ORIENTATION I .....	.33	.04	-.04	.03	.57	-.01	.44
17 +#1 SPEED OF IDENTIFICATION .....	.38	.03	.06	.06	.53	-.16	.46
18 +15 PURSUIT .....	.26	-.08	.074	.315	.39	.25	.39
19 +21 DECODING .....	.51	.19	-.07	-.07	.34	.17	.45
FACTOR 6: O1;F2 NUMERICAL FACILITY .....N; ORDER 1							
20 +#6 NUMERICAL OPERATIONS .....	.21	-.01	.09	.06	.10	.63	.47
21 +#5 MATHEMATICS B .....	.41	.064	.325	-.02	-.10	.62	.67
22 +22 NUMBER SERIES COMPLETION .....	.46	.16	.06	.03	-.00	.45	.44
SMSQ: 5.36 .63 1.06 .86 1.13 1.40 10.43							

GUILFORD JP/LACEY JI (EDS) - TABLE 7.19 P.114

PRINTED CLASSIFICATION TESTS - WASHINGTON;GPO 1947
AAF AVIATION PSYCHOL PROGRAM REPORT NO. 5
CLASSIFIED PILOTS BEFORE PREFLIGHT TRAINING -NONVERBAL REASONING BTY

N=200

(CONTINUED)

*** 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;F1 VISUALIZATION	VZ	.91 .83
HF 3	O1;F4 VERBAL ABILITY	V	.63 .40
HF 4	O1;F5 SPATIAL RELATIONS	SR	.46 .21
HF 5	O1;F3 PERCEPTUAL SPEED	P	.42 .18
HF 6	O1;F2 NUMERICAL FACILITY	N	.12 .02

SMSQ: 1.64 1.64