

CORY 01

CORY CH/RIMLAND B/BRYSON RA  
 USING COMPUTERIZED TESTS TO MEASURE NEW DIMENSIONS  
 OF ABILITY; AN EXPLORATORY STUDY  
 APPL PSYCHOL MEAST 1977 1 101-110  
 PEARSON R'S TABLE 3 P.108  
 MALE US NAVY ENLISTED MEN

N=385

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

V#	1	2	3	4	5	6	7	8	9	10	H^2
FACTOR 1: O2;F1 BROAD MEMORY ABILITY .....2Y; ORDER 2											
FACTOR 2: O1;F4 ASSOCIATIVE MEMORY .....MA; ORDER 1											
1 +23 MEMORY FOR PATTERNS .....	.45	.30	-.00	.05	.01	.19	-.014	.395	-.04	.00	.49
2 +7 RADIO (SOUNDS; SYMBOLS) .....	.60	.29	.03	-.02	.00	-.15	-.08	.02	.04	-.02	.47
3 +6 SONAR (PITCH-MEMORY) .....	.37	.21	-.02	-.00	-.21	.06	-.00	-.03	.15	.15	.27
4 +22 VISUAL MEMORY FOR NUMBERS .....	.48	.16	-.09	.18	.00	.12	.11	-.19	-.03	.00	.36
5 +19 COMPARING FIGURES .....	.39	.16	-.06	-.04	.26	.07	.02	.02	.12	-.01	.27
FACTOR 3: O1;F1 QUANTITATIVE REASONING ...RQ; ORDER 1											
6 +3 ARI (ARITHMETIC REASONING) ...	.53	.01	.51	.02	.21	-.07	.09	-.04	-.04	.01	.60
7 +1 AFQT (VOCAB; ARITH REASONING) ..	.44	-.01	.48	.04	-.00	.02	-.02	.004	.3754	.385	.71
8 +2 GCT (VERBAL MEANINGS) .....	.39	.00	.46	.02	-.014	.435	.25	.11	.15	.17	.67
9 +8 ETST (ELECTRON SELECTION) .....	.39	.12	.43	-.03	-.00	.16	.024	.355	.04	.25	.56
10 +16 NONSENSE SYLLOGISMS .....	.21	.01	.25	-.08	.02	.16	.15	.01	.10	-.04	.18
FACTOR 4: O1;F5 FREE RECALL MEMORY .....M6; ORDER 1											
11 +21 MEMORY FOR WORDS .....	.46	.01	-.00	.70	.01	.21	.02	.00	.02	.02	.74
12 +25 MEMORY FOR OBJECTS .....	.34	.07	.01	.42	-.15	.14	-.02	.10	.11	-.05	.36
FACTOR 5: O1;F3 PERCEPTUAL SPEED .....P; ORDER 1											
13 +5 CLER (PERCEPTUAL SPEED) .....	.26	-.00	.01	-.03	.67	-.04	.00	.03	.04	-.14	.55
14 +12 COUNTING NUMBERS .....	.31	.07	-.10	.05	.55	-.06	-.03	-.02	-.02	-.03	.42
15 -10 YEAR OF BIRTH (= YOUTH) .....	.15	.03	-.02	-.11	.30	.04	.08	-.12	-.02	.11	.16
FACTOR 6: O2;F2 FLUID/CRYSTAL'D INTELL....2H; ORDER 2											
FACTOR 7: O1;F6 SEQUENTIAL REASONING .....RG; ORDER 1											
16 +17 INFERENCE .....	.365	-.014	.405	-.03	.14	.37	.30	.03	-.01	-.00	.54
17 +24 PASSWORD .....	.29	.08	-.01	.08	-.01	.44	.24	-.01	.11	-.01	.36
18 +20 TWELVE QUESTIONS .....	.24	.05	.03	.04	-.01	.36	.24	-.10	.04	.08	.27
19 +15 OBJECT-NUMBER .....	.21	.00	.09	-.03	.02	.04	.15	-.18	.01	-.23	.16
FACTOR 8: O1;F8 SPEED OF CLOSURE(ALT.)....CS; ORDER 1											
20 -26 RECOGNIZING OBJECTS .....	.14	.08	-.01	.15	-.00	.35	.01	.34	.23	.03	.34

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(CONTINUED)

V#	1	2	3	4	5	6	7	8	9	10	H^2
FACTOR 9: O1;F7 SPEED OF CLOSURE .....CS; ORDER 1											
21 +13 GESTALT COMPLETION .....	.13	.00	-.01	-.01	.01	.22	.00	.03	.64	-.03	.48
22 +14 CONCEALED WORDS .....	.22	-.01	.02	.04	.21	-.08	-.08	-.05	.39	-.16	.28
23 +11 HIDDEN PATTERNS .....	.435	.15	.01	-.13	.22	.08	.02	-.04	.38	.04	.43
24 +18 DRIFT DIRECTION .....	.22	.10	.02	.00	-.03	-.01	-.06	.04	.21	.04	.11
FACTOR 10: O1;F2 TECHNICAL INFORMATION ....MK; ORDER 1											
25 +9 SHOP (TOOLS; ETC.) .....	-.02	-.01	.01	.01	.19	.24	.00	.00	.00	.97	1.04
26 +4 MECH (MECHANICAL; ELECTRICAL) .	.10	.02	.16	-.04	.01	.09	-.10	.084	.305	.68	.60
SMSQ:	3.05	.34	1.17	.78	1.17	1.11	.37	.52	1.13	1.78	11.42

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

HF # 1ST-ORD FACTOR	1	6	H^2	
FACTOR 1: O2;F1 BROAD MEMORY ABILITY .....2Y; ORDER 2				
HF 2 O1;F4 ASSOCIATIVE MEMORY .....	MA	.90	-.04	.81
HF 3 O1;F1 QUANTITATIVE REASONING ...	RQ	.59	-.26	.42
HF 4 O1;F5 FREE RECALL MEMORY .....	M6	.51	.19	.30
HF 5 O1;F3 PERCEPTUAL SPEED .....	P	.37	-.04	.14
FACTOR 6: O2;F2 FLUID/CRYSTAL'D INTELL....,2H; ORDER 2				
HF 7 O1;F6 SEQUENTIAL REASONING .....	RG	.10	.85	.74
HF 8 O1;F8 SPEED OF CLOSURE(ALT.)....	CS4	-.375	.50	.39
HF 9 O1;F7 SPEED OF CLOSURE .....	CS	.22	.30	.14
HF10 O1;F2 TECHNICAL INFORMATION ...	MK	-.08	.24	.06
SMSQ:	1.75	1.24	2.99	