

MAY 01

MAY F/METCALF A - M&F GRADE 8 HETEROGENEOUS SAMPLE  
 A FACTOR-ANALYTIC STUDY OF SPONTANEOUS FLEXIBILITY MEASURES  
 EDUC & PSYCHOL MEAST 1965 25 1039-1050 TABLE 2 P.1046

N=332

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

V#	1	2	3	4	5	H^2
FACTOR 1: O2;F1 BROAD RETRIEVAL ABILITY ..2R; ORDER 2						
FACTOR 2: O1;F2 IDEATIONAL FLUENCY .....FI; ORDER 1						
1 +#3 4+6 FLUENCY .....	.70	.58	.01	-.04	.06	.83
2 +#2 3+5 FLUENCY .....	.70	.48	.05	.13	.01	.75
FACTOR 3: O1;F1 IDEATIONAL FLUENCY(ALT) ..FI; ORDER 1						
3 +#4 1+2 PRINCIPLES .....	.55	-.06	.75	.03	.02	.87
4 +#1 1+2 FLUENCY .....	.60	.05	.73	-.00	-.02	.89
FACTOR 4: O1;F3 ORIGINALITY .....FO; ORDER 1						
5 +#6 3+5 UNCONVENTIONAL USES .....	.52	.10	-.01	.62	-.06	.67
6 +#8 4+6 CATEGORIES .....	.60	.20	.02	.46	.01	.61
7 +11 VERBAL REASONING/CORRECT RESP .....	.15	-.12	-.00	.32	.08	.15
8 +10 7B UNCOMMONNESS .....	.28	-.01	.02	.23	.14	.15
FACTOR 5: O1;F4 ORIGINALITY (ALT) .....FO; ORDER 1						
9 +#7 10+11 UNCONVENTIONAL USES .....	.42	.05	-.04	.06	.49	.43
10 +#5 8+9 PRINCIPLES .....	.55	.064	.315	-.10	.43	.60
11 +#9 7A UNCOMMONNESS .....	.24	-.08	.08	.10	.26	.15
SMSQ: 2.91 .65 1.19 .80 .53 6.08						

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

HF # 1ST-ORD FACTOR	1	H^2
FACTOR 1: O2;F1 BROAD RETRIEVAL ABILITY ..2R; ORDER 2		
HF 2 O1;F2 IDEATIONAL FLUENCY .....FI	.76	.58
HF 3 O1;F1 IDEATIONAL FLUENCY(ALT) ..FI	.61	.37
HF 4 O1;F3 ORIGINALITY .....FO	.59	.35
HF 5 O1;F4 ORIGINALITY (ALT) .....FO	.58	.34
SMSQ: 1.65 1.65		

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

V#		1	2	3	4	5	H^2
	FACTOR 1: O2;F1 BROAD RETRIEVAL ABILITY ..2R; ORDER 2						
	FACTOR 2: O1;F2 IDEATIONAL FLUENCY .....FI; ORDER 1						
1	+ #3 4+6 FLUENCY .....	.70	.58	.01	-.04	.06	.83
2	+ #2 3+5 FLUENCY .....	.70	.48	.05	.13	.01	.75
	FACTOR 3: O1;F1 IDEATIONAL FLUENCY(ALT) ..FI; ORDER 1						
3	+ #4 1+2 PRINCIPLES .....	.55	-.06	.75	.03	.02	.87
4	+ #1 1+2 FLUENCY .....	.60	.05	.73	-.00	-.02	.89
	FACTOR 4: O1;F3 ORIGINALITY .....FO; ORDER 1						
5	+ #6 3+5 UNCONVENTIONAL USES .....	.52	.10	-.01	.62	-.06	.67
6	+ #8 4+6 CATEGORIES .....	.60	.20	.02	.46	.01	.61
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FACTOR 5: O1;F4 ORIGINALITY (ALT) .....FO; ORDER 1  
 9 +#7 10+11 UNCONVENTIONAL USES .... .42 .05 -.04 .06 .49 .43  
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SMSQ: 2.91 .65 1.19 .80 .53 6.08

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

HF # 1ST-ORD FACTOR 1 H^2

FACTOR 1: O2;F1 BROAD RETRIEVAL ABILITY ..2R; ORDER 2

HF 2 O1;F2 IDEATIONAL FLUENCY .....FI .76 .58  
 HF 3 O1;F1 IDEATIONAL FLUENCY (ALT) ..FI .61 .37  
 HF 4 O1;F3 ORIGINALITY .....FO .59 .35  
 HF 5 O1;F4 ORIGINALITY (ALT) .....FO .58 .34

SMSQ: 1.65 1.65