



Kit of Factor-Referenced Cognitive Tests

- A set of 72 tests that have been demonstrated to be consistent markers for 23 cognitive factors.

A research tool for studying:

- Reasoning • Verbal Ability
 - Spatial Ability • Memory
- and other cognitive processes

Also available from ETS:

- Guide to Factor-Referenced Temperament Scales:

An index of published scales for 24 temperament factors and copies of ETS marker scales for 18 factors.

*Listening.
Learning.
Leading.*

Ordering Information

Copies of the *Kit of Factor-Referenced Cognitive Tests, Manual* and the *Guide to Factor-Referenced Temperament Scales* are available to qualified individuals who sign the agreement for use; students must have the agreement co-signed by their faculty advisors. A detachable order form is included on the last panel of this folder.

Licensing Agreements

The *Manual* for the *Kit of Factor-Referenced Cognitive Tests* states that "purchasers may obtain any number of copies from ETS at normal cost." We found however, that the cost of storing and providing multiple copies of the test would require prohibitive charges for them. Consequently, we no longer stock these tests.

To meet user needs for the kit tests, ETS issues, at its discretion, licensing agreements that permit researchers to produce the required number of tests from the specimen copies in the kit.

For graduate students, the royalty is 15 cents per copy with a minimum charge of \$40. For other researchers, the royalty is 30 cents per copy with a minimum charge of \$55. Researchers requesting licensing agreements should use the attached form. Please specify the tests to be used (full titles with code letters and numbers), and the numbers of copies of each to be produced. Purchasers should identify themselves completely enough to permit some judgment as to their qualification to use psychological tests. Students seeking licensing agreements or purchasing tests should include a note from their advisors assuming responsibility for proper use of the test materials and scores. All individuals requesting licensing agreements will be asked to provide a brief description of the proposed use.

Technical Information

The *Manual* includes representative data (mean, standard deviation, reliability, etc.) for each test. Additional information about the research for the 1976 version of the kit is contained in *Cognitive Factors: Their Identification and Replication* by R. B. Ekstrom, J. W. French, and H. H. Harman. *Multivariate Behavioral Research Monographs No. 79-2*.

The *Kit of Factor-Referenced Cognitive Tests* contains two or more tests for each of 23 cognitive factors. The factors and tests are listed below. Each test has two parallel parts. Detailed information about the factors and the tests, as well as scoring keys, is contained in the *Manual*.

CF—Closure, Flexibility of

1. Hidden Figures Test
2. Hidden Patterns Test
3. Copying Test

CS—Closure, Speed of

1. Gestalt Completion Test
2. Concealed Words Test
3. Snowy Pictures

CV—Closure, Verbal

1. Scrambled Words
2. Hidden Words
3. Incomplete Words

FA—Fluency, Associational

1. Controlled Associations Test
2. Opposites Test
3. Figures of Speech

FE—Fluency, Expressional

1. Making Sentences
2. Arranging Words
3. Rewriting

FF—Fluency, Figural

1. Ornamentation Test
2. Elaboration Test
3. Symbols Test

FI—Fluency, Ideational

1. Topics Test
2. Theme Test
3. Thing Categories Test

FW—Fluency, Word

1. Word Endings Test
2. Word Beginnings Test
3. Word Beginnings and Endings Test

I—Induction

1. Letter Sets Test
2. Locations Test
3. Figure Classification

IP—Integrative Processes

1. Calendar Test
2. Following Directions

MA—Memory, Associative

1. Picture-Number Test
2. Object-Number Test
3. First & Last Name Test

MS—Memory Span

1. Auditory Number Span Test
2. Visual Number Span Test
3. Auditory Letter Span Test

MV—Memory, Visual

1. Shape Memory Test
2. Building Memory
3. Map Memory

N—Number

1. Addition Test
2. Division Test
3. Subtraction & Multiplication Test
4. Addition & Subtraction Correction

P—Perceptual Speed

1. Finding A's Test
2. Number Comparison Test
3. Identical Pictures Test

RG—Reasoning, General

1. Arithmetic Aptitude Test
2. Mathematics Aptitude Test
3. Necessary Arithmetic Operations Test

RL—Reasoning, Logical

1. Nonsense Syllogisms Test
2. Diagramming Relationships
3. Inference Test
4. Deciphering Languages

S—Spatial Orientation

1. Card Rotations Test
2. Cube Comparisons Test

SS—Spatial Scanning

1. Maze Tracing Speed Test
2. Choosing A Path
3. Map Planning Test

V—Verbal Comprehension

1. Vocabulary Test I
2. Vocabulary Test II
3. Extended Range Vocabulary Test
4. Advanced Vocabulary Test
5. Advanced Vocabulary Test II

VZ—Visualization

1. Form Board Test
2. Paper Folding Test
3. Surface Development Test

XF—Flexibility, Figural

1. Toothpicks Test
2. Planning Patterns
3. Storage Test

XU—Flexibility of Use

1. Combining Objects
2. Substitute Uses
3. Making Groups
4. Different Uses

Order Form

Complete this form and mail it to the address below or fax it to the fax number below.

Mail to: ETS Research & Development (16R)
Educational Testing Service
Rosedale Road
Princeton, New Jersey 08541

Fax to: 1-609-734-5010
Attn: *Kit of Factor-Referenced Cognitive Tests*

Phone: 1-609-734-1055

SHIP TO:

BILL TO:

Unless otherwise specified, all shipments within the United States will be sent postage paid SPECIAL FOURTH CLASS BOOK RATE. Shipments outside the United States will be billed F.O.B. Princeton, New Jersey. Unless purchasers request otherwise, materials will be sent A.O. or AIR PARCEL POST.

SUBTOTAL

Send me _____ Kit(s) of Factor-Referenced Cognitive Tests (with manual).....@ \$45 each \$

Send me _____ Kit(s) of Factor-Referenced Cognitive Tests.....@ \$20 each \$

Send me _____ Guides to Factor-Referenced Temperament Scales.....@ \$15 each \$

Amount Enclosed \$ _____ BILL ME TOTAL \$

Please make check payable to: EDUCATIONAL TESTING SERVICE

Agreement for Use

I understand that the test in the *Kit of Factor-Referenced Cognitive Tests* and the tentative marker scales in the *Guide to Factor-Referenced Temperament Scales* are research instruments not intended for use in selection or counseling. I warrant that I and those to whom I may provide these instruments to will use them and the resulting scores properly.

FACULTY CO-SIGNATURE FOR STUDENT USE

SIGNATURE

(See reverse side for Licensing Agreement)

Licensing Request

Name: _____

Address: _____

Phone: _____

E-mail: _____

Title of Study: _____

Subjects: _____

Method: _____

Relevance of *Kit* tests to problem(s) being studied: _____

Name of test(s) to be used:

Number of copies to be produced:

The *Guide to Factor-Referenced Temperament Scales* reviews the factor analytic literature pertinent to 28 temperament factors, provides tentative marker scales for 18, and suggests published scales for a partially overlapping set of 24.

As is the case with the tests in the *Kit of Factor-Referenced Cognitive Tests*, the scales in the guide are distributed for research use only. They should not be used for counseling, selection, or other operational purposes.

Factors in the Guide

Abbreviations & Factor Name	Recommended ETS Marker Scales	Published Marker Scales
Ac —General Activity	Yes	Yes
Ag —Agreeableness	No	Yes
Al —Alertness	No	No
Au —Autistic Tendency	No	Yes
Ca —Calmness	Yes	Yes
Co —Concentration	No	No
De —Dependability	Yes	Yes
Do —Dominance	No	Yes
Em —Emotional Maturity	Yes	No
Es —Emotional Stability.....	No	Yes
Gs —Gregariousness	Yes	Yes
In —Individualism	Yes	Yes
Me —Meticulousness	Yes	Yes
Mo —Morality	No	Yes
Na —Need for Achievement	No	Yes
Ob —Objectivity	Yes	Yes
Om —Open-Mindedness	Yes	No
Pe —Persistence	Yes	Yes
Po —Poise	Yes	Yes
Rt —Restraint	No	Yes
Sc —Self-Confidence	Yes	Yes
Se —Sensitive Attitude	Yes	Yes
So —Sociability	Yes	Yes
Ss —Self-Sufficiency.....	Yes	Yes
Su —Surgency	Yes	Yes
Th —Thoughtfulness.....	Yes	Yes
To —Tolerance	Yes	Yes
Wb —Well-Being	No	Yes