

COPY DESIGN

Description of the Instrument:

- The Copy Design task instructs children to copy eight simple geometric designs. Children were allowed two attempts but no help from the assessor was allowed. The Copy Design task is a measure of persistence and sustained attention during a difficult task. This test has also been used previously to assess fine motor and visual control.



Base Reference/Primary Citation:

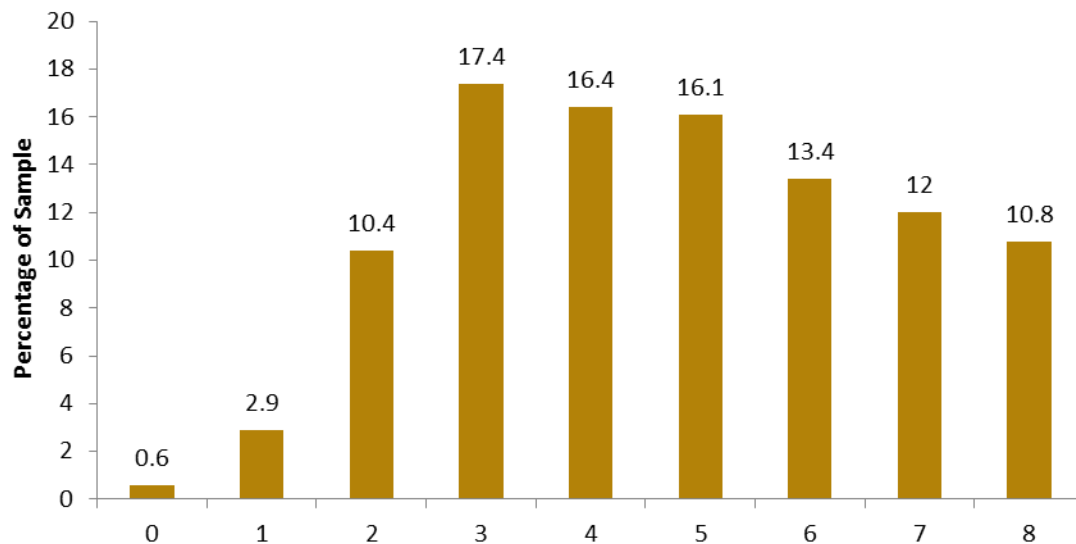
Davie, R., Butler, H., & Goldstein, H. (1972). *From birth to seven: The second report of the National Child Development Study* (1958 Cohort). London: Longman.

Osborne, A. F., Butler, N. R., & Morris, A. C. (1984). *The Social Life of Britain's Five Year Olds: A Report of the Child Health and Education Study*. London: Routledge and Kegan Paul.



Psychometric Information (sample, reliability, validity):

- **Osborn, Butler, & Morris (1984):** The Copy Design task was given to 13,028 5-year olds in Britain. The data was from the British Cohort Study (BCS70), a longitudinal study that is following children born in the week of April 5-11, 1970 through adulthood. Interrater reliability for scoring of individual designs was .96 and the agreement for the total score was .90. Performance in the Copy Design at age 5 was found to be related to both math ($\beta = .26$) and reading test performance at age 10 ($\beta = .35$). Distribution of total scores at age 5 was as follows:

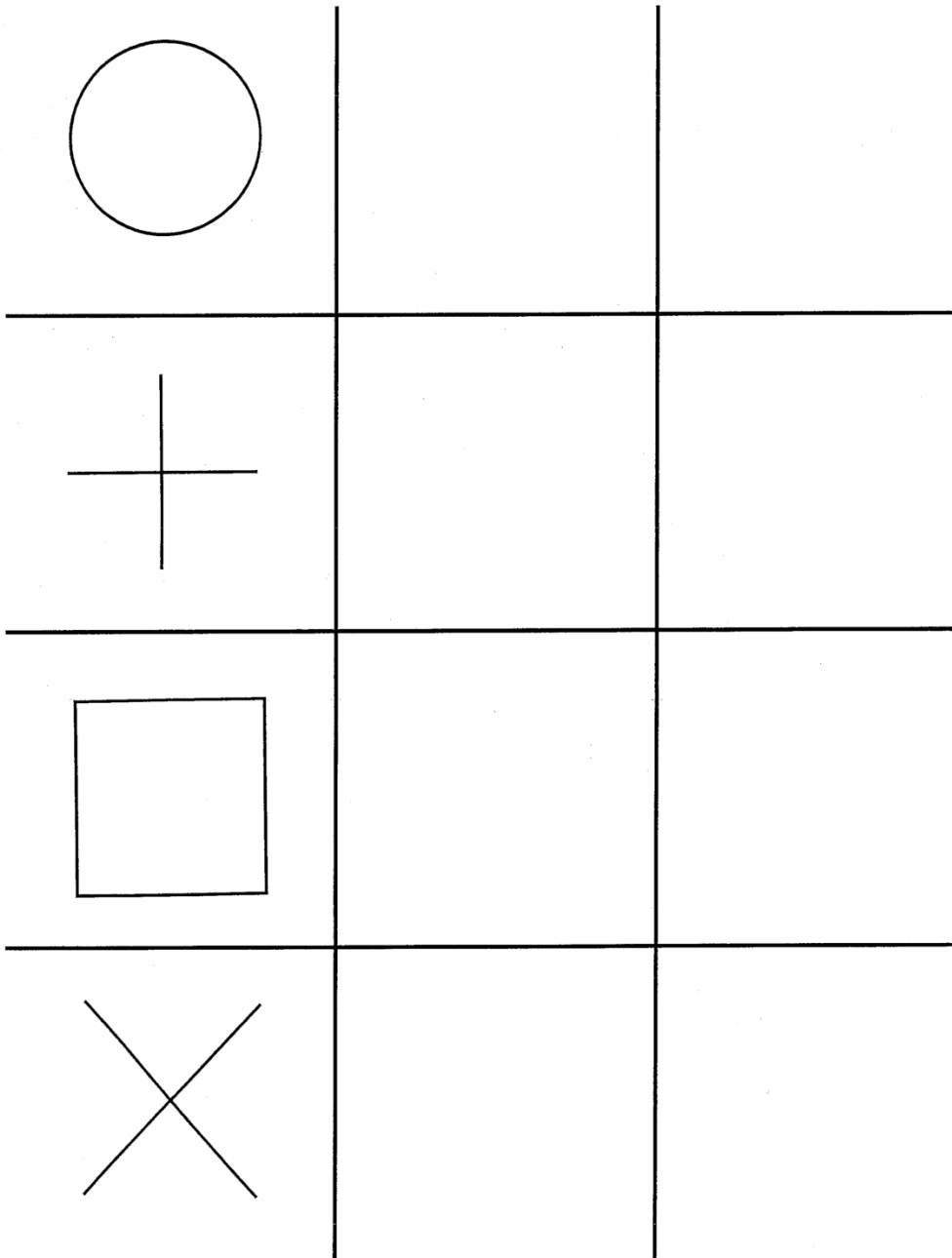


- **Schoon, Bynner, Joshi, Parsons, Wiggins, & Sacker (2002), Ross, Schiin, Martin, Sacker (2009), Lacey, Cable, Stafford, Bartley & Pickhart (2010), and Grissmer, Grimm, Aiyer, Murrah, & Steele (2010)** have all used the copy design task from the BCS70 in recent publications.
- **Wechsler Preschool and Primary Scale of Intelligence – Revised (Wechsler, 1989).** The 1989 release of the WPPSI-R included a Geometric Design subtest that two distinct types of tasks. The first required that children match a pictured design from array of four designs (similar to KRISP) and the second required that children copy a geometric figure from a printed model (similar to copy design). The latest version of the WPPSI-III (2002) does not include the Geometric Design Subtest.

COPY DESIGN MATERIALS

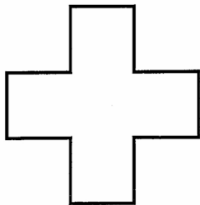
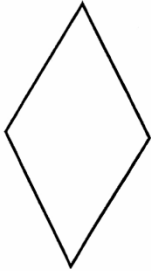
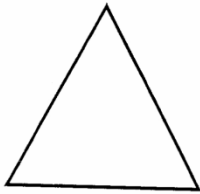
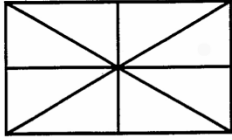
The two images below is printed to be 8.5" x 11". This document also serves as the Copy Design coding sheet. The document may be printed two-sided. A PDF of this document is also provided.

Date: _____ Assessor: _____



Child ID _____ Total Score _____

Date: _____ Assessor: _____



Child ID: _____ Total Score: _____

COPY DESIGN SCRIPT

You are going to copy some designs. I want you to copy the designs as carefully as possible.

Place the first page of the test book in front of the child. Point to each design one at a time, and say:

See if you can make one just like this-here. [Point to the space beside the design]

Two attempts should be made at each design.

DO NOT GIVE THE CHILD ANY MORE HELP THAN THESE INSTRUCTIONS ALLOW.

COPY DESIGN SCORING

Each item is coded as follows:

The child get two attempts to draw the item. The best attempt is scored

0 = child attempts to copy at least one design, but all attempts are judged to be poor copies

1 = given for each design that is judged a good copy by the following criteria:

Rules for scoring each attempt.

- The drawing must have the right general shape and look like what it is supposed to be.
- It should be approximately symmetrical.
- Angles should not be rounded.
- The drawing should not be rotated, e.g. the point of the triangle should be uppermost.
- Angles must be approximately opposite of each other (except in the triangle).
- Slight bowing or irregularity of lines is allowed.
- As long as the other criteria are met, neatness is not important.
- Lines should meet approximately but as long as other criteria are met small gaps at junctions are acceptable.
- Slight crossing and overlapping of lines is permitted.

Final Score: The sum of all eight items.