

# TIMED ARITHMETIC COMPUTATION TEST (TACT)

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## MANUAL

TACT is a brief screening test for groups or individuals, measuring primary arithmetic skills without use of calculator. There is a 5 minute time limit.

Standardisation is based on a single elite school sample for years 3 to 11, N = 386, and a small sample of adult clerical/administrative workers, N = 17. The test sheet, score sheet and Manual with age-based standardisation may be reproduced with acknowledgement. Correct answers should be ticked and errors should be ringed for scoring. Error types can be identified for diagnostic purposes when required.

**Standardisation.** Scores indicate a direct linear progression from age 8 to age 13, then a slight linear decline from age 13 to 16 due to lack of practice/reliance on calculators. Sampling is limited and greater variability is expected for a population sample of both children and adults. Summary statistics have been rounded, and are shown only as a guide.

Age in Years	Sample N	Sample Mean	Lower range Standard Deviation 16 percentile	Upper range Standard Deviation 84 percentile	S.D.
8	11	5.0	2.6	7.5	2.5
9	34	7.0	3.3	10.7	3.7
10	37	9.0	6.2	11.8	2.8
11	35	11.0	8.2	13.5	2.7
12	44	13.0	9.5	15.8	3.1
13	63	14.5	10.8	18.3	3.7
14	77	13.6	9.7	17.5	3.9
15	67	13.8	9.7	17.8	4.1
16	21	13.2	8.0	18.5	5.3
ADULT	17	11.6	8.3	14.8	3.3