

Points to note re. use of Ballard/Westwood Timed Arithmetic⁹ Test:

General:

- Like all tests, it has its *ads* and *disads*. It gives a useful snap-shot of a child's reflexive knowledge of basic tables facts.
- It is timed, some cdn do not work well under pressure of time. A low score does not always indicate a high % of incorrect answers, but could be sums incomplete.
- Child may actually know the answers but is slow at recording.
- Does not measure potential but can help identify weaknesses and assess progress. Can also indicate readiness for various algorithms, eg long division.
- **If it is not rendered useless by being used as the basis for a regular Friday tables test, it is quite reliable and efficient.**
- Children usually want to know their score and how it compares to the end-yr target. (often this is more important to them than comparing their score with other pupils)
- History of the test: a bit hazy !! Ballard (?) devised and normed the Add/Sub. Vernon revised the norms in 1949 . Later Westwood devised the Mult/Div and both the add/sub & mult/div were normed by him *et al* (1974) in England and by Broughton (1975) in Australia.
- The end-yr targets have not been standardised but seem to be quite realistic and achievable. (schools could decide their own targets) These targets were set by teachers in a mixed infants to 6th , 580 pupil school, school setting neither disadvantaged or privileged. Westwood did supply mean and critically low scores for various ages, these are perhaps useful but only as a rough guide as they were standardised quite some time ago .
- By testing at Easter, the final term could be used by children to put in a final push (and also perhaps to alert parents).
- A certificate to signify reaching the End-yr Tables Target could be designed & given out.
- It might be worthwhile to administer the copying test to see if motor/hand-eye co-ordination is a factor re low scores??

Administration:

Ballard Westwood Timed Arithmetic Test

Gilbert Leonard Grant



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