

Developing Ten Facts With Prep Grade Students: A Teaching Experiment

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References

- Baroody, A. J. (1985). Mastery of basic number combinations: Internalization of relationships or facts? *Journal for Research in Mathematics Education*, 16, 83-98.
- Bobis, J. (1996). Visualisation and the development of number sense with kindergarten children. In J. Mulligan & M. Mitchelmore (Eds.), *Children's number learning: A research monograph of MERGA/AAMT* (pp. 17-33). Adelaide: Australian Association of Mathematics Teachers.
- DETYA (Department of Education, Training, and Youth Affairs). (2000). *Numeracy, A priority for all: Challenges for all Australian Schools*. Canberra: JS MacMillan.
- Fuson, K. (1992). Research on whole number addition and subtraction. In D.A. Grouws (Ed.), *Handbook of research on mathematics teaching and learning* (pp. 243-275). New York: MacMillan.
- Hiebert, J. & Wearne, D. (1991). Methodologies for studying learning to inform teaching. In E. Fennema, T. P. Carpenter, & S. J. Lamon (Eds.), *Integrating research on teaching and learning mathematics* (pp. 153-176). Albany, NY: SUNY Press.
- Hierdsfield, A. M. (1999). Mental addition and subtraction strategies: Two case studies. In J. M. Truran & K. M. Truran (Eds.), *Making the difference* (Proceedings of the 22nd annual conference of the Mathematics Education Research Group of Australasia, pp. 240-249). Sydney: MERGA.
- Kemmis, S. & McTaggart, L. (1990). *The action research planner* (3rd ed.). Melbourne: Deakin University.
- McIntosh, A. & Dole, S. (2000) Mental computation, number sense and general mathematics ability: Are they linked? In J. Bana & A. Chapman (Eds.), *Proceedings of the 23rd Annual Conference of the Mathematics Education Research group of Australasia*, (Vol. 2, pp. 401-408). Sydney:MERGA.
- National Council of Teachers of Mathematics. (1989). *Curriculum and evaluation standards for school mathematics*. Reston, VA: Author.
- Ostad, S. A. (1998). Developmental differences in solving simple arithmetic word problems and simple number-fact problems: A comparison of mathematically normal and mathematically disabled children. *Mathematical Cognition*, 4, 1-19.
- Rightsel, P. S. & Thornton, C. A. (1985). 72 addition facts can be mastered by mid-grade 1. *Arithmetic Teacher*, 33 (November), 8-10
- Ruthven, K. (1998). The use of mental, written and calculator strategies for numerical computation by upper primary pupils within a 'calculator-aware' number curriculum. *British Educational Research Journal*, 24, 21-42.
- Steen, L. A. (1999). Numeracy: The new literacy for a data-drenched society. *Educational Leadership*, 57(2), 8-13.
- Steinberg, R. (1985). Instruction on derived facts strategies in addition and subtraction. *Journal for Research in Mathematics Education*, 16, 337-355.
- Sowder, J. (1992). Estimation and Number Sense. In D. Grouws (Ed.), *Handbook of research on mathematics teaching and learning* (pp. 371-389). New York: MacMillan.
- Thornton, C. A. & Smith, P. J. (1988). Action research: Strategies for learning subtraction facts. *Arithmetic Teacher*, 35(8), 8-12.
- Van de Walle, J. (1988). The early development of number relations. *Arithmetic Teacher*, February, 15-21, 32.
- Wright, R. J. (1996). Problem centred mathematics in the first year of school. In J. Mulligan & M. Mitchelmore, *Research in early number learning: An Australian perspective* (pp. 35-54). Adelaide: Australian Association of Mathematics Teachers.