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|---|---|---|
| **Approach:** | Station | **Year:** 4 & 8 |
| **Focus:** | Recalling addition facts | |
| **Resources:** | Computer program on laptop computer, answer booklet | |

## Questions / instructions:

This activity uses the computer.

Click on the button that says **Number Facts (Addition)** to begin the task.

*[Problems were presented on a computer screen at four second intervals. Students responded in answer booklets that showed each problem and had a blank for entering the response.]*

| | | |
|---|---|---|
| 3 + 6 = 9 | 1 + 7 = 8 | 0 + 4 = 4 |
| 4 + 2 = 6 | 0 + 6 = 6 | 6 + 9 = 15 |
| 5 + 7 = 12 | 9 + 7 = 16 | 8 + 0 = 8 |
| 3 + 0 = 3 | 2 + 8 = 10 | 8 + 5 = 13 |
| 8 + 9 = 17 | 5 + 4 = 9 | 4 + 3 = 7 |
| 0 + 5 = 5 | 9 + 9 = 18 | 8 + 4 = 12 |
| 4 + 6 = 10 | 6 + 6 = 12 | 3 + 9 = 12 |
| 6 + 8 = 14 | 5 + 9 = 14 | 7 + 4 = 11 |
| 2 + 6 = 8 | 7 + 6 = 13 | 4 + 9 = 13 |
| 7 + 8 = 15 | 8 + 3 = 11 | 3 + 7 = 10 |

| | | % response 2005 ('01) | |
|---|---|---|---|
| | | **year 4** | **year 8** |
| **Total score:** | 30 | 22 (43) | 64 (68) |
| | 27–29 | 23 (34) | 28 (28) |
| | 24–26 | 14 (7) | 5 (3) |
| | 21–23 | 7 (6) | 1 (0) |
| | 18–20 | 9 (1) | 0 (1) |
| | 15–17 | 9 (2) | 1 (0) |
| | 12–14 | 7 (2) | 0 (0) |
| | 9–11 | 3 (2) | 0 (0) |
| | 6–8 | 3 (1) | 0 (0) |
| | 0–5 | 3 (2) | 0 (0) |

## Commentary:

Year 8 students showed a solid command of their addition facts. Many year 4 students have not mastered these facts. There was a substantial decrease in performance from 2001 to 2005 at year 4 level. Particular difficulty was seen where the sum is greater than 10, e.g. 8 + 9 = 17.