

TREND

Division Facts

*Approach:* Station

*Level:* Year 4 and year 8

*Focus:* Knowledge of division facts.

*Resources:* Laptop computer with video recording showing and saying each of the 30 items. Answers were recorded on paper.

Questions/instructions

This activity is done on the computer.

Click the **Play** button and watch the video that plays.

|          |          |          |
|----------|----------|----------|
| 49 ÷ 7 = | 32 ÷ 8 = | 9 ÷ 3 =  |
| 6 ÷ 1 =  | 14 ÷ 7 = | 12 ÷ 4 = |
| 0 ÷ 3 =  | 28 ÷ 4 = | 27 ÷ 3 = |
| 24 ÷ 8 = | 5 ÷ 1 =  | 40 ÷ 8 = |
| 48 ÷ 6 = | 27 ÷ 9 = | 16 ÷ 8 = |
| 24 ÷ 3 = | 14 ÷ 2 = | 54 ÷ 9 = |
| 8 ÷ 2 =  | 72 ÷ 9 = | 40 ÷ 5 = |
| 81 ÷ 9 = | 15 ÷ 5 = | 18 ÷ 2 = |
| 48 ÷ 8 = | 25 ÷ 5 = | 36 ÷ 6 = |
| 4 ÷ 1 =  | 0 ÷ 7 =  | 28 ÷ 7 = |

|              |       | % responses |            |
|--------------|-------|-------------|------------|
|              |       | 2001        | 2001 ('97) |
|              |       | year 4      | year 8     |
| Total score: | 30    | 5           | 33 (29)    |
|              | 27-29 | 6           | 32 (27)    |
|              | 24-26 | 7           | 11 (11)    |
|              | 21-23 | 7           | 9 (8)      |
|              | 18-20 | 8           | 2 (9)      |
|              | 15-17 | 15          | 4 (5)      |
|              | 12-14 | 11          | 3 (4)      |
|              | 9-11  | 12          | 2 (2)      |
|              | 6-8   | 10          | 2 (2)      |
|              | 3-5   | 8           | 1 (1)      |
|              | 0-2   | 11          | 1 (2)      |

*Commentary*

In 2001 this task was given to year 4 and year 8 students, but in 1997 it was given only to year 8 students. Year 4 students varied enormously in performance, with 18 per-cent getting at least 80% correct and 29 percent getting less than 30% correct. Many year 4 classes do not study division. Almost two thirds of the year 8 students got at least 90% correct, with a small improvement in high scores compared to the 1997 students.