

Multiplication Examples

TREND

Approach: Independent

Level: Year 4 and year 8

Focus: Multiplying without a calculator.

Resources: None.

<i>Questions/instructions</i>	<i>% responses</i>	
	<i>2001 ('97)</i> year 4	<i>2001 ('97)</i> year 8
Write your answers in the white boxes. You can use the shaded area to do your working.		
1. $\begin{array}{r} 34 \\ \times 2 \\ \hline 68 \end{array}$	65 (61)	94 (95)
2. $\begin{array}{r} 43 \\ \times 7 \\ \hline 301 \end{array}$	26 (18)	80 (76)
3. $\begin{array}{r} 412 \\ \times 3 \\ \hline 1236 \end{array}$	45 (34)	90 (88)
4. $\begin{array}{r} 726 \\ \times 5 \\ \hline 3630 \end{array}$	23 (19)	82 (76)
5. $\begin{array}{r} 3074 \\ \times 6 \\ \hline 18444 \end{array}$	11 (8)	65 (58)
6. $\begin{array}{r} 74 \\ \times 23 \\ \hline 1702 \end{array}$	•	61 (53)
7. $\begin{array}{r} 6243 \\ \times 34 \\ \hline 212262 \end{array}$	•	45 (37)
Total score:	7	• 25 (20)
	6	• 28 (23)
	5	6 (5) 19 (20)
	4	12 (8) 12 (15)
	3	12 (7) 7 (9)
	2	18 (18) 4 (7)
	1	20 (25) 2 (4)
	0	32 (37) 3 (2)

• not asked for year 4

Commentary

Year 8 students performed much better than year 4 students on multiplication tasks. There was a small improvement between 1997 and 2001 for both years: 10 percent more year 4 students got at least 3/5 correct, and 9 percent more year 8 students got at least 5/7 correct.