Long Multiplication 1

There are various ways of calculating answers when multiplying numbers when both have 2 or more digits. This method uses a simple table and breaks each number down into its basic part (think distributive), multiplies them then adds the totals to get a final answer.

Example: 37 x 43

X	40	3
30	1200	90
7	280	21
	1480	111

Final Answer = 1480 + 111 = 1591

Now try calculating these in the same way.

1. 46 x 72 = _____

2. 89 x 26 = _____

3. 34 x 52 = _____

4. 18 x 90 = _____

5. 42 x 65 = _____

6. What do you like about using this method? _____

7. What is the problem with this method? _____

Now extend your table/grid and try these.

8. 32 x 416 = _____

9. 29 x 552 = _____

10. 63 x 478 = _____

11. 96 x 849 = _____

12. 54 x 383 = _____

13. 74 x 3267 = _____

14. 13 x 5368 = _____

15. 87 x 9319 = _____

16. 27 x 5067 = _____

17. 17 x 2721 = _____

18. How many days are there in 17 years? _____

19. If a factory makes 502 cars in a week, how many does it make in 23 weeks?

_____

20. A supermarket sells 2183 cans of coke in a day. How many does it sell in a five day week?

_____

LONG MULTIPLICATION 1 - ANSWERS

1. 46 x 72 = 3312

2. 89 x 26 = 2314

3. 34 x 52 = 1768

4. 18 x 90 = 1620

5. 42 x 65 = 2730

6. What do you like about using this method? Good layout, easy to spot mistakes.

7. What is the problem with this method? Lots of working – mistakes more likely.

8. 32 x 416 = 13312

9. 29 x 552 = 16008

10. 63 x 478 = 30114

11. 96 x 849 = 81504

12. 54 x 383 = 20682

13. 74 x 3267 = 241758

14. 13 x 5368 = 69784

15. 87 x 9319 = 810753

16. 27 x 5067 = 136809

17. 17 x 2721 = 46257

18. How many days are there in 17 years? 6205

19. If a factory makes 502 cars in a week, how many does it make in 23 weeks? 11546

20. A supermarket sells 2183 cans of coke in a day. How many does it sell in a five day week? 10915