Area models & partial products — Key

4 digits × 2 digits

Use the matching edition. Other correct methods are valid.

Multiply each pair of place values. Add the partial products. Models are not to scale.

1. 9,054 × 43 = 389,322

	9,000	0	50	4
40	360,000	0	2,000	160
3	27,000	0	150	12

360,000 + 0 + 2,000 + 160 = 362,160

27,000 + 0 + 150 + 12 = 27,162

Total 389,322

2. 9,766 × 51 = 498,066

	9,000	700	60	6
50	450,000	35,000	3,000	300
1	9,000	700	60	6

450,000 + 35,000 + 3,000 + 300 = 488,300

9,000 + 700 + 60 + 6 = 9,766

Total 498,066

3. 7,617 × 28 = 213,276

	7,000	600	10	7
20	140,000	12,000	200	140
8	56,000	4,800	80	56

140,000 + 12,000 + 200 + 140 = 152,340

56,000 + 4,800 + 80 + 56 = 60,936

Total 213,276

4. 4,095 × 82 = 335,790

	4,000	0	90	5
80	320,000	0	7,200	400
2	8,000	0	180	10

320,000 + 0 + 7,200 + 400 = 327,600

8,000 + 0 + 180 + 10 = 8,190

Total 335,790

5. 3,800 × 80 = 304,000

	3,000	800	0	0
80	240,000	64,000	0	0
0	0	0	0	0

240,000 + 64,000 + 0 + 0 = 304,000

0 + 0 + 0 + 0 = 0

Total 304,000

6. 2,595 × 62 = 160,890

	2,000	500	90	5
60	120,000	30,000	5,400	300
2	4,000	1,000	180	10

120,000 + 30,000 + 5,400 + 300 = 155,700

4,000 + 1,000 + 180 + 10 = 5,190

Total 160,890

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