Area models & partial products — Key

2 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. **81 × 72 = 5,832**

	80	1
70	5,600	70
2	160	2

5,600 + 70 + 160 + 2

= 5,832

2. **24 × 91 = 2,184**

	20	4
90	1,800	360
1	20	4

1,800 + 360 + 20 + 4

= 2,184

3. **81 × 88 = 7,128**

	80	1
80	6,400	80
8	640	8

6,400 + 80 + 640 + 8

= 7,128

4. **57 × 37 = 2,109**

	50	7
30	1,500	210
7	350	49

1,500 + 210 + 350 + 49

= 2,109

5. **58 × 76 = 4,408**

	50	8
70	3,500	560
6	300	48

3,500 + 560 + 300 + 48

= 4,408

6. **21 × 42 = 882**

	20	1
40	800	40
2	40	2

800 + 40 + 40 + 2

= 882