# 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**