Multiply 2-Digit Numbers with an Area Model · 1

The area model shows 38 × 91. Add the four partial products to find 38 × 91.

	90	1
30	2700	30
8	720	8

Multiply 2-Digit Numbers with an Area Model · 2

The area model shows 42 × 64. Add the four partial products to find 42 × 64.

	60	4
40	2400	160
2	120	8

Multiply 2-Digit Numbers with an Area Model · 3

22 × 57 = (20 × 50) + (20 × 7) + (2 × 50) + (2 × 7) = 1000 + 140 + 100 + ___. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 4

Add the two rows of the area model: 73 × 39 = (70 × 39) + (3 × 39) = 2730 + ___

Multiply 2-Digit Numbers with an Area Model · 5

The area model shows 44 × 52. Add the four partial products to find 44 × 52.

	50	2
40	2000	80
4	200	8

Multiply 2-Digit Numbers with an Area Model · 6

The area model shows 84 × 49. Add the four partial products to find 84 × 49.

	40	9
80	3200	720
4	160	36

Multiply 2-Digit Numbers with an Area Model · 7

89 × 97 = (80 × 90) + (80 × 7) + (9 × 90) + (9 × 7) = 7200 + 560 + 810 + ___. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 8

Add the two rows of the area model: 62 × 34 = (60 × 34) + (2 × 34) = 2040 + ___

Multiply 2-Digit Numbers with an Area Model · 2

ANSWER

2688

Multiply 2-Digit Numbers with an Area Model · 1

ANSWER

3458

Multiply 2-Digit Numbers with an Area Model · 4

ANSWER

117

Multiply 2-Digit Numbers with an Area Model · 3

ANSWER

14

Multiply 2-Digit Numbers with an Area Model · 6

ANSWER

4116

Multiply 2-Digit Numbers with an Area Model · 5

ANSWER

2288

Multiply 2-Digit Numbers with an Area Model · 8

ANSWER

68

Multiply 2-Digit Numbers with an Area Model · 7

ANSWER

63

Multiply 2-Digit Numbers with an Area Model · 9

The area model shows 76 × 99. Add the four partial products to find 76 × 99.

	90	9
70	6300	630
6	540	54

Multiply 2-Digit Numbers with an Area Model · 10

The area model shows 63 × 46. Add the four partial products to find 63 × 46.

	40	6
60	2400	360
3	120	18

Multiply 2-Digit Numbers with an Area Model · 11

76 × 51 = (70 × 50) + (70 × 1) + (6 × 50) + (6 × 1) = 3500 + ___ + 300 + 6. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 12

Add the two rows of the area model: 71 × 87 = (70 × 87) + (1 × 87) = 6090 + ___

Multiply 2-Digit Numbers with an Area Model · 13

The area model shows 92 × 92. Add the four partial products to find 92 × 92.

	90	2
90	8100	180
2	180	4

Multiply 2-Digit Numbers with an Area Model · 14

The area model shows 61 × 42. Add the four partial products to find 61 × 42.

	40	2
60	2400	120
1	40	2

Multiply 2-Digit Numbers with an Area Model · 15

94 × 72 = (90 × 70) + (90 × 2) + (4 × 70) + (4 × 2) = 6300 + 180 + ___ + 8. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 16

Add the two rows of the area model: 73 × 88 = (70 × 88) + (3 × 88) = 6160 + ___

Multiply 2-Digit Numbers with an Area Model · 10

ANSWER

2898

Multiply 2-Digit Numbers with an Area Model · 9

ANSWER

7524

Multiply 2-Digit Numbers with an Area Model · 12

ANSWER

87

Multiply 2-Digit Numbers with an Area Model · 11

ANSWER

70

Multiply 2-Digit Numbers with an Area Model · 14

ANSWER

2562

Multiply 2-Digit Numbers with an Area Model · 13

ANSWER

8464

Multiply 2-Digit Numbers with an Area Model · 16

ANSWER

264

Multiply 2-Digit Numbers with an Area Model · 15

ANSWER

280

Multiply 2-Digit Numbers with an Area Model · 17

The area model shows 35 × 82. Add the four partial products to find 35 × 82.

	80	2
30	2400	60
5	400	10

Multiply 2-Digit Numbers with an Area Model · 18

The area model shows 69 × 23. Add the four partial products to find 69 × 23.

	20	3
60	1200	180
9	180	27

Multiply 2-Digit Numbers with an Area Model · 19

74 × 76 = (70 × 70) + (70 × 6) + (4 × 70) + (4 × 6) = 4900 + 420 + 280 + ___. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 20

Add the two rows of the area model: 77 × 84 = (70 × 84) + (7 × 84) = 5880 + ___

Multiply 2-Digit Numbers with an Area Model · 21

The area model shows 55 × 56. Add the four partial products to find 55 × 56.

	50	6
50	2500	300
5	250	30

Multiply 2-Digit Numbers with an Area Model · 22

The area model shows 41 × 23. Add the four partial products to find 41 × 23.

	20	3
40	800	120
1	20	3

Multiply 2-Digit Numbers with an Area Model · 23

79 × 62 = (70 × 60) + (70 × 2) + (9 × 60) + (9 × 2) = 4200 + 140 + ___ + 18. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 24

Add the two rows of the area model: 88 × 42 = (80 × 42) + (8 × 42) = 3360 + ___

Multiply 2-Digit Numbers with an Area Model · 18

ANSWER

1587

Multiply 2-Digit Numbers with an Area Model · 17

ANSWER

2870

Multiply 2-Digit Numbers with an Area Model · 20

ANSWER

588

Multiply 2-Digit Numbers with an Area Model · 19

ANSWER

24

Multiply 2-Digit Numbers with an Area Model · 22

ANSWER

943

Multiply 2-Digit Numbers with an Area Model · 21

ANSWER

3080

Multiply 2-Digit Numbers with an Area Model · 24

ANSWER

336

Multiply 2-Digit Numbers with an Area Model · 23

ANSWER

540