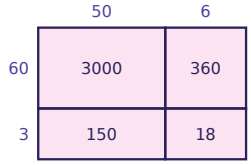
Multiply 2-Digit Numbers with an Area Model · 1

The area model shows 63 × 56. Add the four partial products to find 63 × 56.



Multiply 2-Digit Numbers with an Area Model · 2

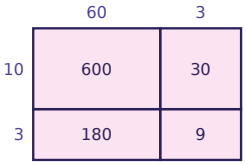
38 × 16 = (30 × 10) + (30 × 6) + (8 × 10) + (8 × 6) = 300 + 180 + ___ + 48. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 3

Add the two rows of the area model: 44 × 16 = (40 × 16) + (4 × 16) = 640 + ___

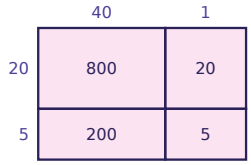
Multiply 2-Digit Numbers with an Area Model · 4

The area model shows 13 × 63. Add the four partial products to find 13 × 63.



Multiply 2-Digit Numbers with an Area Model · 5

The area model shows 25 × 41. Add the four partial products to find 25 × 41.



Multiply 2-Digit Numbers with an Area Model · 6

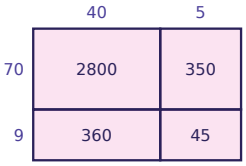
13 × 55 = (10 × 50) + (10 × 5) + (3 × 50) + (3 × 5) = 500 + 50 + ___ + 15. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 7

Add the two rows of the area model: 37 × 17 = (30 × 17) + (7 × 17) = 510 + ___

Multiply 2-Digit Numbers with an Area Model · 8

The area model shows 79 × 45. Add the four partial products to find 79 × 45.



Multiply 2-Digit Numbers with an Area Model · 2

ANSWER

80

Multiply 2-Digit Numbers with an Area Model · 1

ANSWER

3528

Multiply 2-Digit Numbers with an Area Model · 4

ANSWER

819

Multiply 2-Digit Numbers with an Area Model · 3

ANSWER

64

Multiply 2-Digit Numbers with an Area Model · 6

ANSWER

150

Multiply 2-Digit Numbers with an Area Model · 5

ANSWER

1025

Multiply 2-Digit Numbers with an Area Model · 8

ANSWER

3555

Multiply 2-Digit Numbers with an Area Model · 7

ANSWER

119

Multiply 2-Digit Numbers with an Area Model · 9

The area model shows 45 × 77. Add the four partial products to find 45 × 77.

	70	7
40	2800	280
5	350	35

Multiply 2-Digit Numbers with an Area Model · 10

72 × 61 = (70 × 60) + (70 × 1) + (2 × 60) + (2 × 1) = 4200 + 70 + 120 + ___. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 11

Add the two rows of the area model: 46 × 36 = (40 × 36) + (6 × 36) = 1440 + ___

Multiply 2-Digit Numbers with an Area Model · 12

The area model shows 26 × 45. Add the four partial products to find 26 × 45.

	40	5
20	800	100
6	240	30

Multiply 2-Digit Numbers with an Area Model · 13

66 × 53 = (60 × 50) + (60 × 3) + (6 × 50) + (6 × 3) = 3000 + ___ + 300 + 18. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 14

Add the two rows of the area model: 25 × 65 = (20 × 65) + (5 × 65) = 1300 + ___

Multiply 2-Digit Numbers with an Area Model · 15

The area model shows 13 × 54. Add the four partial products to find 13 × 54.

	50	4
10	500	40
3	150	12

Multiply 2-Digit Numbers with an Area Model · 16

The area model shows 57 × 54. Add the four partial products to find 57 × 54.

	50	4
50	2500	200
7	350	28

Multiply 2-Digit Numbers with an Area Model · 10

ANSWER

2

Multiply 2-Digit Numbers with an Area Model · 9

ANSWER

3465

Multiply 2-Digit Numbers with an Area Model · 12

ANSWER

1170

Multiply 2-Digit Numbers with an Area Model · 11

ANSWER

216

Multiply 2-Digit Numbers with an Area Model · 14

ANSWER

325

Multiply 2-Digit Numbers with an Area Model · 13

ANSWER

180

Multiply 2-Digit Numbers with an Area Model · 16

ANSWER

3078

Multiply 2-Digit Numbers with an Area Model · 15

ANSWER

702

Multiply 2-Digit Numbers with an Area Model · 17

57 × 43 = (50 × 40) + (50 × 3) + (7 × 40) + (7 × 3) = 2000 + 150 + ___ + 21. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 18

Add the two rows of the area model: 27 × 13 = (20 × 13) + (7 × 13) = 260 + ___

Multiply 2-Digit Numbers with an Area Model · 19

The area model shows 47 × 74. Add the four partial products to find 47 × 74.

	70	4
40	2800	160
7	490	28

Multiply 2-Digit Numbers with an Area Model · 20

The area model shows 89 × 38. Add the four partial products to find 89 × 38.

	30	8
80	2400	640
9	270	72

Multiply 2-Digit Numbers with an Area Model · 21

27 × 37 = (20 × 30) + (20 × 7) + (7 × 30) + (7 × 7) = 600 + ___ + 210 + 49. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 22

Add the two rows of the area model: 63 × 53 = (60 × 53) + (3 × 53) = 3180 + ___

Multiply 2-Digit Numbers with an Area Model · 23

The area model shows 69 × 56. Add the four partial products to find 69 × 56.

	50	6
60	3000	360
9	450	54

Multiply 2-Digit Numbers with an Area Model · 24

17 × 27 = (10 × 20) + (10 × 7) + (7 × 20) + (7 × 7) = 200 + ___ + 140 + 49. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 18

ANSWER

91

Multiply 2-Digit Numbers with an Area Model · 17

ANSWER

280

Multiply 2-Digit Numbers with an Area Model · 20

ANSWER

3382

Multiply 2-Digit Numbers with an Area Model · 19

ANSWER

3478

Multiply 2-Digit Numbers with an Area Model · 22

ANSWER

159

Multiply 2-Digit Numbers with an Area Model · 21

ANSWER

140

Multiply 2-Digit Numbers with an Area Model · 24

ANSWER

70

Multiply 2-Digit Numbers with an Area Model · 23

ANSWER

3864