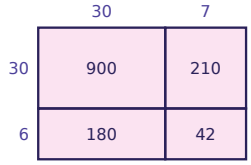
Multiply 2-Digit Numbers with an Area Model · 1

The area model shows 36 × 37. Add the four partial products to find 36 × 37.



Multiply 2-Digit Numbers with an Area Model · 2

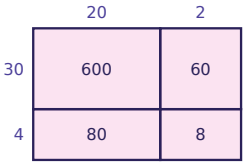
35 × 27 = (30 × 20) + (30 × 7) + (5 × 20) + (5 × 7) = 600 + 210 + ___ + 35. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 3

Add the two rows of the area model: 24 × 19 = (20 × 19) + (4 × 19) = 380 + ___

Multiply 2-Digit Numbers with an Area Model · 4

The area model shows 34 × 22. Add the four partial products to find 34 × 22.



Multiply 2-Digit Numbers with an Area Model · 5

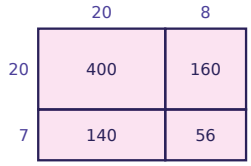
25 × 24 = (20 × 20) + (20 × 4) + (5 × 20) + (5 × 4) = ___ + 80 + 100 + 20. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 6

Add the two rows of the area model: 14 × 25 = (10 × 25) + (4 × 25) = 250 + ___

Multiply 2-Digit Numbers with an Area Model · 7

The area model shows 27 × 28. Add the four partial products to find 27 × 28.



Multiply 2-Digit Numbers with an Area Model · 8

17 × 57 = (10 × 50) + (10 × 7) + (7 × 50) + (7 × 7) = 500 + ___ + 350 + 49. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 2

ANSWER

100

Multiply 2-Digit Numbers with an Area Model · 1

ANSWER

1332

Multiply 2-Digit Numbers with an Area Model · 4

ANSWER

748

Multiply 2-Digit Numbers with an Area Model · 3

ANSWER

76

Multiply 2-Digit Numbers with an Area Model · 6

ANSWER

100

Multiply 2-Digit Numbers with an Area Model · 5

ANSWER

400

Multiply 2-Digit Numbers with an Area Model · 8

ANSWER

70

Multiply 2-Digit Numbers with an Area Model · 7

ANSWER

756

Multiply 2-Digit Numbers with an Area Model · 9

Add the two rows of the area model: 18 × 52 = (10 × 52) + (8 × 52) = 520 + ___

Multiply 2-Digit Numbers with an Area Model · 10

The area model shows 18 × 38. Add the four partial products to find 18 × 38.

	30	8
10	300	80
8	240	64

Multiply 2-Digit Numbers with an Area Model · 11

22 × 12 = (20 × 10) + (20 × 2) + (2 × 10) + (2 × 2) = 200 + ___ + 20 + 4. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 12

Add the two rows of the area model: 21 × 19 = (20 × 19) + (1 × 19) = 380 + ___

Multiply 2-Digit Numbers with an Area Model · 13

The area model shows 35 × 37. Add the four partial products to find 35 × 37.

	30	7
30	900	210
5	150	35

Multiply 2-Digit Numbers with an Area Model · 14

29 × 15 = (20 × 10) + (20 × 5) + (9 × 10) + (9 × 5) = 200 + 100 + 90 + ___. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 15

Add the two rows of the area model: 35 × 29 = (30 × 29) + (5 × 29) = 870 + ___

Multiply 2-Digit Numbers with an Area Model · 16

The area model shows 54 × 17. Add the four partial products to find 54 × 17.

	10	7
50	500	350
4	40	28

Multiply 2-Digit Numbers with an Area Model · 10

ANSWER

684

Multiply 2-Digit Numbers with an Area Model · 9

ANSWER

416

Multiply 2-Digit Numbers with an Area Model · 12

ANSWER

19

Multiply 2-Digit Numbers with an Area Model · 11

ANSWER

40

Multiply 2-Digit Numbers with an Area Model · 14

ANSWER

45

Multiply 2-Digit Numbers with an Area Model · 13

ANSWER

1295

Multiply 2-Digit Numbers with an Area Model · 16

ANSWER

918

Multiply 2-Digit Numbers with an Area Model · 15

ANSWER

145

Multiply 2-Digit Numbers with an Area Model · 17

21 × 59 = (20 × 50) + (20 × 9) + (1 × 50) + (1 × 9) = 1000 + ___ + 50 + 9. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 18

Add the two rows of the area model: 44 × 37 = (40 × 37) + (4 × 37) = 1480 + ___

Multiply 2-Digit Numbers with an Area Model · 19

The area model shows 15 × 21. Add the four partial products to find 15 × 21.

	20	1
10	200	10
5	100	5

Multiply 2-Digit Numbers with an Area Model · 20

11 × 21 = (10 × 20) + (10 × 1) + (1 × 20) + (1 × 1) = ___ + 10 + 20 + 1. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 21

Add the two rows of the area model: 36 × 19 = (30 × 19) + (6 × 19) = 570 + ___

Multiply 2-Digit Numbers with an Area Model · 22

The area model shows 23 × 19. Add the four partial products to find 23 × 19.

	10	9
20	200	180
3	30	27

Multiply 2-Digit Numbers with an Area Model · 23

28 × 36 = (20 × 30) + (20 × 6) + (8 × 30) + (8 × 6) = 600 + 120 + 240 + ___. What is the missing partial product?

Multiply 2-Digit Numbers with an Area Model · 24

Add the two rows of the area model: 26 × 38 = (20 × 38) + (6 × 38) = 760 + ___

Multiply 2-Digit Numbers with an Area Model · 18

ANSWER

148

Multiply 2-Digit Numbers with an Area Model · 17

ANSWER

180

Multiply 2-Digit Numbers with an Area Model · 20

ANSWER

200

Multiply 2-Digit Numbers with an Area Model · 19

ANSWER

315

Multiply 2-Digit Numbers with an Area Model · 22

ANSWER

437

Multiply 2-Digit Numbers with an Area Model · 21

ANSWER

114

Multiply 2-Digit Numbers with an Area Model · 24

ANSWER

228

Multiply 2-Digit Numbers with an Area Model · 23

ANSWER

48