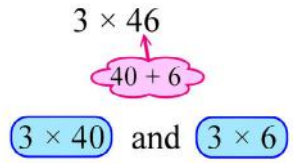
Multiply in Parts 1

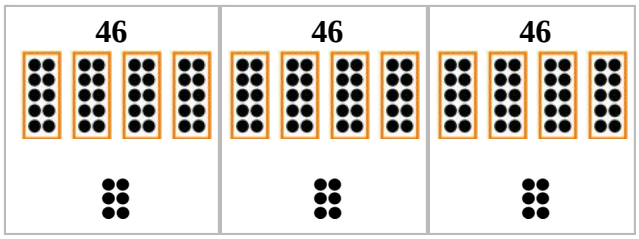
Example 1. To multiply 3 × 46, break 46 into two parts: 40 and 6.

Then multiply those two parts separately by 3:
3 × 40 is 120, and 3 × 6 is 18.

Lastly add these two partial results: 120 + 18 = 138.



Example 2. This illustration shows the same thing, 3 × 46, using bundles of ten.



← 3 × 40 = **120**

← 3 × 6 = **18**

120 + **18** = **138**

Study these examples. Multiply the tens and ones separately, then add:

8 × 13
(10 + 3)
8 × 10 and 8 × 3
80 and 24
= 104

5 × 24
(20 + 4)
5 × 20 and 5 × 4
100 and 20
= 120

7 × 68
(60 + 8)
7 × 60 and 7 × 8
420 and 56
= 476

1. Multiply the tens and ones separately. Then add to get the final answer.

a. 6 × 27
(20 + 7)
6 × _____ and 6 × ____
_____ and _____
= _____

b. 5 × 83
(+)
5 × _____ and 5 × ____
_____ and _____
= _____

c. 9 × 34
(+)
9 × _____ and 9 × ____
_____ and _____
= _____

d. 3 × 99
3 × _____ and 3 × ____
_____ and _____
= _____

e. 7 × 65
7 × _____ and 7 × ____
_____ and _____
= _____

f. 4 × 58
4 × _____ and 4 × ____
_____ and _____
= _____