

- 1 Split 47 into 40 and 7 down the side and 38 into 30 and 8 along the top
- 2 Find the four partial products 40×30 40×8 7×30 and 7×8
- 3 Add all partial products to reach the total product

1. Mark 30 and 4 along one side for the 34 factor
2. Mark 20 and 6 along the other side for the 26 factor
3. Write the four partial products inside the boxes for 34×26

- 1 A classroom has 53 books on each of 29 shelves. How many books altogether?
- 2 There are 65 pencils in each of 39 boxes. How many pencils in total?
- 3 The school library has 152 pages in each of 24 new books. How many pages altogether?
- 4 Each of 35 classrooms has 263 chairs. How many chairs in the school?
- 5 A teacher buys 318 stickers for each of 46 students. How many stickers are needed?

a. Splitting both two-digit factors into tens and units gives four partial products for the total.

b. 34×26 split as $(30 + 4) \times (20 + 6)$ gives the partial products 600, 180, 80 and 24.

c. In the area model for 34×26 , you multiply the four partial products together.

d. The total for 214×36 changes if you split the factors differently.