

Partial Products

Decompose each factor using place value. We will multiply each part of one factor by each part of the other factor. A graphic organizer can help keep all of the parts sorted and arranged. Complete the graphic organizer by multiplying each part of one factor by each part of the other factor. Record your products in the graphic organizer. First, multiply the tens by the tens.

Next, multiply the tens of the first factor, 30, by the ones of the second factor, two. Record the product in the graphic organizer.

Next, multiply the ones of the first factor, seven, by the tens of the second factor, 10. Record the product in the graphic organizer.

Finally, multiply the ones by the ones. Record the product in the graphic organizer.

Now add all of the products together.