Multiply in Parts 1



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

$$\frac{8 \times 13}{(10+3)}$$
 $\frac{5 \times 24}{(20+4)}$ $\frac{7 \times 68}{(60+8)}$ 8×10 and 8×3 5×20 and 5×4 7×60 and 7×8 80 and 24 100 and 20 420 and 56 $= 104$ $= 120$ $= 476$

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

a. 6 × 27 (20 + 7)	b. 5 × 83 (+)	c. 9 × 34 (+)			
$6 \times ___$ and $6 \times ___$	$5 \times _$ and $5 \times _$	9 × and 9 ×			
and	and	and			
=	=	=			
d. 3 × 99	e. 7 × 65	f. 4 × 58			
d. 3 × 99 3 × and 3 ×	e. 7 × 65 7 × and 7 ×	f. 4 × 58 4 × and 4 ×			
d. 3×99 $3 \times \ and 3 \times _\ and _\$	e. 7 × 65 7 × and 7 × and	f. 4 × 58 4 × and 4 × and			

Sample worksheet from www.MathMammoth.com



2. Fill in the missing numbers. Write the area of the *whole* rectangle as a SUM of the areas of the *smaller* rectangles. Also find the total area.



3. It is your turn to draw. Draw a two-part rectangle to illustrate the multiplications, like in the previous problem. You don't have to draw accurately; a sketch is good enough.



Sample worksheet from www.MathMammoth.com

4. Break the second factor into tens and ones. Multiply separately, and add.

a. 6 × 19	b. 3 × 73	c. 4 × 67		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
d. 5 × 92	e. 9 × 33	f. 7 × 47		

5. Multiply in parts. You can write the partial products under the problems, if you wish.

a. 5 × 13 =	b. $9 \times 15 =$	c. $5 \times 33 =$			
d. $8 \times 21 =$	e. 4 × 22 =	f. $7 \times 51 =$			

6. Compare. Write < , > , or = in the boxes.

a.	10 × 10	9 × 11	b.	6 × 12	5 × 14	c.	8 × 22		5 × 27
----	---------	--------	----	--------	--------	----	--------	--	--------

7. Solve. Write a number sentence for each problem, *not* just the answer.

a. Jack bought eight shirts for \$14 each. What was the total cost?
b. Mary and Harry set up nine rows of seats in the school auditorium, with 14 seats in each row. After that, they still had 56 seats left in the storage that they didn't use. How many seats are there in total?
c. A small hammer costs \$17. Another, much better one, costs three times as much. Find the cost of the more expensive hammer.