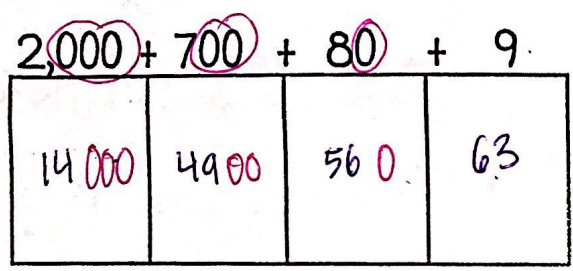


Use the area model to multiply. $7 \times 2,789 = 19,523$



$$\begin{array}{r} 14000 \\ 4900 \\ + 560 \\ + 63 \\ \hline 19523 \end{array}$$

Annotate and write an equation!

A clothing store had 475 customers in one week. The next week, the store sent out coupons, and they had 3 times as many customers to shop. How many customers shopped the second week?
 $475 \times 3 = 1425$

An ant has 6 legs. How many legs do 7,525 ants have?

$45,150$

Show your work!

$$\begin{array}{r} 7525 \\ \times 6 \\ \hline 45150 \end{array}$$

$(7000 \times 6) + (500 \times 6) + (20 \times 6) + (5 \times 6)$
 $42,000 + 3,000 + 120 + 30 = 45,150$

7000 500 20 5
 6 42000 3000 120 30 = 45150

Choose any method!

$349 \times 5 = 1745$

$$\begin{array}{r} 349 \\ \times 5 \\ \hline 1745 \end{array}$$

$(300 \times 5) + (40 \times 5) + (9 \times 5)$
 $1500 + 200 + 45 = 1745$

Arrange the digits below to create the largest possible product.



Explain your thinking.

To create the largest possible product, I

Show MS. N!

Solve using the distributive property.

$4 \times 3671 = 14,684$

$(4 \times 3000) + (4 \times 600) + (4 \times 70) + (4 \times 1)$
 $12,000 + 2,400 + 280 + 4$

Use the area model to multiply. $7,232 \times 4 =$ 28,928

	7000	200	30	2
4	28,000	800	120	8

$$\begin{array}{r} 28000 \\ 800 \\ 120 \\ + 8 \\ \hline 28928 \end{array}$$

Fill in the numbers missing from the equations showing the distributive property below.

$2 \times 48 = (2 \times 40) + (2 \times 8)$

$5 \times 144 = (5 \times 100) + (5 \times 40) + (5 \times 4)$

$9 \times 85 = (9 \times 80) + (9 \times 5)$

$1,452 \times 6 = (6 \times 1,000) + (6 \times 400) + (6 \times 50) + (6 \times 2)$

$184 \times 4 = (4 \times 100) + (4 \times 80) + (4 \times 4)$

Complete the table using the statements below.

The students at Blanche Elementary School were collecting cans for a food drive. The table below shows the number of cans collected by the students.

Blanche Elementary School Food Drive	
1 st	$625 \times 3 = 1,875$
2 nd	375
3 rd	$750 - 125 = 625$
4 th	$2 \times 375 = 750$
5 th	$1,875 + 5 = 1,880$

- 4th grade collected twice as many cans as 2nd grade.
- 3rd grade collected 125 fewer cans than 4th grade.
- 1st grade collected 3 times as many cans as 3rd grade.
- 5th grade collected 5 more cans than 1st

Multiply to find each product.

Use the "circles" and dots strategy!

$$60 \times 8 = 480$$

$$3 \times 600 = 1800$$

$$80 \times 2 = 160$$

$$900 \times 4 = 3600$$

$$300 \times 7 = 2100$$

$$7 \times 500 = 3500$$

Complete the table using the statements below.

Palmetto County Schools held parent teacher conferences. Use the clues below to complete the totals for each of the 5 elementary schools.

Parent Teacher Conference Totals	
Ambrose	502
Broxton	1102
Eastside	652
Nicholls	627
Westside	1254

- Eastside had 652 parents to attend the conferences.
- Ambrose has 150 fewer parents to attend than Eastside.
- Nicholls has 125 more parents to attend than Ambrose.
- Westside had twice as many parents to attend than Nicholls.
- Broxton had 450 more parents to attend than Eastside.

Use any Method to solve!

$$1,344 \times 6 = 8,064$$

$$6 \times 888 = 5,328$$

$$\begin{array}{r} 1344 \\ \times 6 \\ \hline 8064 \end{array}$$

$$(1000 \times 6) + (300 \times 6) + (40 \times 6) + (4 \times 6)$$

$$6000 + 1800 + 240 + 24$$

$$8,064$$

$$\begin{array}{r} 888 \\ \times 6 \\ \hline 5328 \end{array}$$

$$\begin{array}{r} 888 \\ \times 6 \\ \hline 5328 \end{array}$$

$$(800 \times 6) + (80 \times 6) + (8 \times 6)$$

$$4800 + 480 + 48$$

$$5328$$

$$\begin{array}{r} 800 \ 80 \ 8 \\ 6 \ 4800 \ 480 \ 48 \\ \hline 5328 \end{array}$$

This question has 3 parts, A-C.

Steven's Work

Steven used the expanded algorithm to solve 392×6 . He got a product of 84. He knew that it was wrong because he had estimated the product first.

$$\begin{array}{r} 392 \\ \times 6 \\ \hline 122 \\ 54 \\ + 18 \\ \hline 84 \end{array}$$

Part A -

Use estimation to show a reasonable product for Steven's problem.

$$\approx 2400$$

$$\begin{array}{r} 392 \\ \times 6 \\ \hline 2400 \end{array}$$

Part B (distributive property)

Use the expanded algorithm to solve Steven's problem.

$$(300 + 90 + 2) \times 6 =$$

$$(300 \times 6) + (90 \times 6) + (2 \times 6)$$

$$1800 + 540 + 12$$

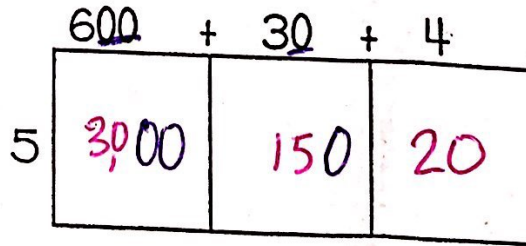
$$2,352$$

Part C - complete sentences!

Explain to Steven where his mistake occurred and how he should have solved using the expanded algorithm.

Show Ms. N!

Use the area model to multiply. $5 \times 634 = 3,170$



$$\begin{array}{r} 3,000 \\ 150 \\ + 20 \\ \hline 3,170 \end{array}$$

Solve using the distributive property.

$$8 \times 5,461 = 43,688$$

$$(8 \times 5,000) + (8 \times 400) + (8 \times 60) + (8 \times 1)$$

$$40,000 + 3,200 + 480 + 8$$