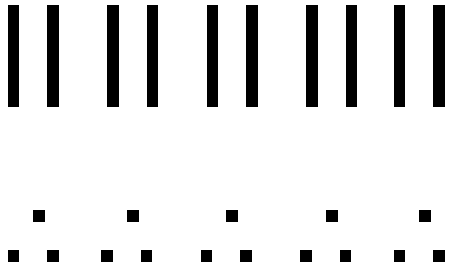
January 10-14 Homework

Name: _____

Date: _____

Draw ten-sticks and one-dots to illustrate the numbers. Then use the distributive property to multiply.

5 × 23



5 × 20 =

5 × 3 =

5 × 23 = 100 + 15 = 115

5 × 95

2 × 74

4 × 126

Now break the second number (factor) into hundreds, tens and ones. Multiply in parts (hundreds, tens, and ones separately), and add.

a. **7 × 1,123**

7 × 1,000 =
7 x 100=
7 × 20 =
7 × 3 =

+ _____

b. **8 × 2,115**

8 x 2,000
8 × 100 =
8 × 10 =
8 × 5 =

+ _____

g. **7 × 194**

+ _____

h. **9 × 109**

+ _____

Multiply the ones. Multiply the tens. Add.

6**4**	**6**4	64
× **8**	× **8**	× 8
32	32	32
	480	+ 480
		512

Using the column method, as shown above, multiply to solve.

93 × 2	43 × 5	83 × 8
135 × 6	57 × 6	99 × 7
417 × 8	35 × 8	172 × 5
77 × 3	146 × 6	88 × 7

Puzzle corner

Can you figure out what was multiplied?

$$\square\square \times 4 = 360 + 240$$

$$\square\square \times 7 = 480 + 560$$

$$\square\square\square \times 6 = 540 + 3600 + 1800$$

$$\overset{2}{27} \times 4 = 8$$

$4 \times 7 = 28$

$$\overset{2}{27} \times 4 = 108$$

$4 \times 2 + 2 = 10$

$$\overset{6}{69} \times 7 = 3$$

$7 \times 9 = 63$

$$\overset{6}{69} \times 7 = 483$$

$7 \times 6 + 6 = 48$

Use the standard multiplication algorithm, multiply. Be careful with the carrying.

$$53 \times 8$$

$$51 \times 6$$

$$62 \times 2$$

$$46 \times 7$$

$$18 \times 5$$

$$39 \times 9$$

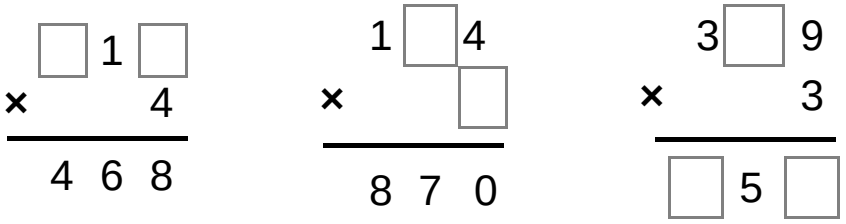
$$46 \times 2$$

$$17 \times 9$$

$$35 \times 9$$

Puzzle corner

Fill in missing numbers in these multiplications:



Directions: Solve the word problems below. Show your work.

1. Mrs. Moore took her 4th grade class of 25 students to the aquarium. Admission for each student was $9. What was the total amount of money needed for the field trip?

2. One hundred eighty-seven students were passing around a petition to stop the historical building from being demolished. Each student collected 9 signatures. What was the total number of signatures the students collected?

3. Sandy walks 6 miles in a month. If she were consistent in her walking for 2 years, how many miles will she have walked?

4. John sold 2,536 cookbooks at $7 each. How much did he make?