Pattern Practice

Due Wednesday!

Use the number pattern to answer the questions.

1. 4, 10, 16, 22, 28, ...

   What is the rule for the pattern? _____

   What is the next number in this pattern? _____

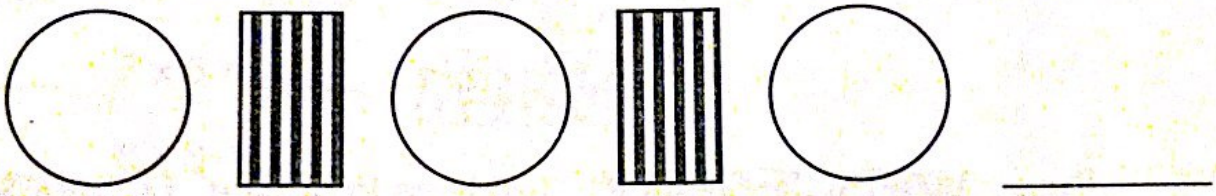
HINT How do you get from one number to the next?

2. 162, 153, 144, 135, 126, ...

   What is the rule for the pattern? _____

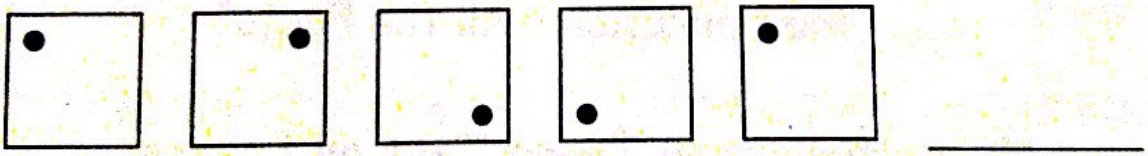
   What is the next number in this pattern? _____

Draw the next figure for each pattern. Then write the rule for the pattern.

3. 

   The rule is _____ _____

REMEMBER Look at the sizes, marks, and shapes of the figures.

4. 

   The rule is _____ _____ _____ _____

Pattern Practice

Due Wednesday!

Fill in the missing numbers. Then answer the question.

5. The rule is +9.

5, _____, _____, _____, _____

What do you notice about the terms?

_____

_____

_____

6. The rule is ×2.

2, _____, _____, _____, _____

What do you notice about the terms?

_____

_____

_____

Choose the best answer.

7. Andy wrote the pattern below.

87, 81, 75, 69, 63

What is the rule for Andy's pattern?

A. −6

B. +6

C. ÷6

D. −7

8.

Rule: $b = a + 7$	
Input (a)	**Output (b)**
7	
11	
15	

1.
2.
3.

Solve.

9.

Rule: $x = y \times 3$	
Input (y)	**Output (x)**
4	
6	
	6

4.
5.
6.

10.

Rule: $s = t - 6$	
Input (t)	**Output (s)**
12	
	15
	24

7.
8.
9.

11.

Rule: _____	
Input (y)	**Output (x)**
27	9
30	10
45	15

Name _____ Date _____

Multiply Multiples of 10, 100, and 1,000

Due Thursday!

You can use basic facts and patterns to help you multiply mentally.

5 × 500 = ____

5 × 5 =	____	5 × 5 ones = 25 ones = 25
5 × 50 =	____	5 × 5 tens = 25 tens = 250
5 × 500 =	____	5 × 5 hundreds = 25 hundreds = 2,500

So 5 × 500 = 2,500

Use basic facts and patterns to find each product.

1. 2 × 6 _____
   2 × 60 _____
   2 × 600 _____
   2 × 6,000 _____

2. 4 × 7 _____
   4 × 70 _____
   4 × 700 _____
   4 × 7,000 _____

3. 3 × 8 _____
   3 × 80 _____
   3 × 800 _____
   3 × 8,000 _____

4. 5 × 6 _____
   5 × 60 _____
   5 × 600 _____
   5 × 6,000 _____

5. 9 × 2 _____
   9 × 20 _____
   9 × 200 _____
   9 × 2,000 _____

6. 7 × 3 _____
   7 × 30 _____
   7 × 300 _____
   7 × 3,000 _____

7. 9 × 7 _____
   9 × 70 _____
   9 × 700 _____
   9 × 7,000 _____

8. 8 × 4 _____
   8 × 40 _____
   8 × 400 _____
   8 × 4,000 _____

9. 5 × 3 _____
   5 × 30 _____
   5 × 300 _____
   5 × 3,000 _____

Name *DUE FRIDAY* Multiplying 3 digits by 1 digit

It's What's Inside That Counts

Multiply. Then solve the riddle.

1. $\overset{2}{315} \times 4 = 1{,}260$ A	206×9 D	344×7 F	746×4 J	376×2 P
2. 941×5 G	503×7 M	626×5 W	328×7 O	642×3 H
3. 708×5 R	569×3 L	121×8 T	936×7 V	861×4 S
4. 473×2 B	613×4 Y	748×9 N	712×6 C	271×7 E

What 8-letter word has only 1 letter in it?

A									
1,260	6,732	1,897	6,732	6,552	1,897	1,707	2,296	752	1,897

Name _____ *DUE FRIDAY!* Time _____

Number Correct _____/100

Multiplication • All The Facts

9 x 8 = _____	5 x 5 = _____	2 x 2 = _____	3 x 4 = _____	5 x 4 = _____
5 x 6 = _____	6 x 1 = _____	3 x 4 = _____	1 x 3 = _____	2 x 3 = _____
1 x 0 = _____	5 x 8 = _____	0 x 3 = _____	2 x 1 = _____	6 x 8 = _____
5 x 2 = _____	4 x 8 = _____	1 x 1 = _____	9 x 0 = _____	3 x 8 = _____
2 x 2 = _____	4 x 5 = _____	2 x 6 = _____	1 x 9 = _____	2 x 7 = _____
3 x 7 = _____	9 x 7 = _____	1 x 8 = _____	7 x 3 = _____	3 x 4 = _____
1 x 5 = _____	2 x 4 = _____	9 x 5 = _____	8 x 4 = _____	7 x 1 = _____
5 x 9 = _____	9 x 3 = _____	8 x 2 = _____	2 x 9 = _____	1 x 2 = _____
9 x 0 = _____	7 x 6 = _____	6 x 7 = _____	6 x 6 = _____	4 x 2 = _____
6 x 3 = _____	8 x 8 = _____	7 x 1 = _____	8 x 3 = _____	6 x 9 = _____
8 x 7 = _____	6 x 5 = _____	1 x 6 = _____	8 x 9 = _____	7 x 5 = _____
3 x 3 = _____	3 x 1 = _____	4 x 9 = _____	7 x 8 = _____	5 x 3 = _____
8 x 9 = _____	7 x 7 = _____	7 x 2 = _____	6 x 0 = _____	5 x 1 = _____
5 x 7 = _____	7 x 4 = _____	5 x 0 = _____	4 x 9 = _____	2 x 8 = _____
9 x 9 = _____	6 x 8 = _____	4 x 6 = _____	5 x 3 = _____	2 x 9 = _____
1 x 9 = _____	7 x 0 = _____	6 x 2 = _____	5 x 5 = _____	4 x 1 = _____
4 x 6 = _____	7 x 9 = _____	6 x 7 = _____	4 x 4 = _____	2 x 0 = _____
8 x 7 = _____	4 x 7 = _____	8 x 8 = _____	7 x 8 = _____	2 x 7 = _____
4 x 8 = _____	9 x 9 = _____	3 x 9 = _____	2 x 7 = _____	4 x 1 = _____
5 x 8 = _____	6 x 9 = _____	5 x 3 = _____	7 x 7 = _____	8 x 4 = _____