Multiplication and Patterning Review	
We have a POattering and Multiplication quiz on Tuesday, It should be pretty straightforward. All questions will be dra done in class. No tricks! Though there will be a few bonus like a challenge. The review questions below should cover encourage you to print these pages out and complete them days.	wn from things we have seen and questions for those of you who would everything that will be on the quiz. I
Part 1:	
Define the following Patterning and Multiplication terms (you may look them up online, but please put them in your	own words):
Pattern:	
Pattern Rule:	
Growing Pattern:	
Shrinking Pattern:	
Term:	
Array:	
Area model:	
Product:	

_____name:_____

Part	2

Choose one of the numbers listed below and tell me (or show me) as many facts as you can about
this number. You can tell me anything you like about your number: addition, subtraction,
multiplication and division facts; write the number in different forms, tell me whether your number is
even or odd; where your number appears in real life; you can even represent your number visually
by including images (on page 2) anything goes!

33, 180, 999
Part 3
Arrange these numbers from least to greatest
41046, 46410, 34041, 10446, 40641
Decompose the number 90781, then represent it in expanded form and word form.
What digit is in the thousands place?

Complete the following patterns by filling in the missing numbers.

Explain the pattern rule for pattern a):

Explain the pattern rule for pattern b)_____

Answer the following questions to the best of your abilities. Record your responses beneath the image and/or show your work as needed

Question 3 Figure 1 Figure 2 Figure 3

- a. If this pattern continues, how many triangles and how many trapezoids will there be in Figure 8?
- b. Create a table or chart to show the pattern.
- c. Identify the pattern rule.
- d. Use the rule to solve the problem.

	triangles	trapazoids
Step 1		
Step 2		
Step 3		

Part 4

1.

Solve the problem 17 x 4 using the area model

ones x ones	ones x tens
7 x 4 =	10 x 4 =

Now add them up!

Total =

2.

Solve the problem 64 x 7 using the area model

x=	x=
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Now add them up!

Total =

3.

Solve the problem 35 x 29 using the area model

•	•	
ones x ones	ones x tens	
5 x 9 =	5 x 20 =	
tens x ones	tens x tens	
30 x 9 =	30 x 20 =	

Now add them up!

Total =

4.

Solve the problem 39 x 36 using the area model

x =	x=
x =	x=

Total =

Solve each multiplication problem using the standard algorithm.

73	64	74
_x7	_x6	<u>x 8</u>
86	54	876
<u>x37</u>	<u>x24</u>	<u>x28</u>

Part 5

1 A / I		l
Word	prop	iems

Ms. Ritchie ordered one box of cookies for her class. Each box contains 26 cookies. Instead of one box, however, she was sent an entire crate of cookies, which contains 30 boxes. How many cookies did Ms. Ritchie end up with? Show your work or explain your thinking.

Larry invested \$37 dollars in the Roblox game company. When he withdrew his money, it had quadrupled (multiplied by four). How much money did Larry end up with? Show your work and explain your thinking.