Name:			501	4 15 4	SSESSM		Date:			
1. The first	four figur	es are t	he core	of this	pattern.	•				
$\star \bullet$										
Based on th	e core of	the pat	tern, the	e 13 th fi	gure in	this patte	ern wil	l be a –		
a.)	b.			c.			d.	t	
2. Cole is us le has mad							es like	this one	:- 🛆	
igure 1	Figure	2	Figure	\rightarrow \right		Figure 4				
exactly how pattern?	/ many pa	per tria	ngles w	rill Cole	need to	make th	e seve		ure 5	is
a. 36		b. 49			c. 64			d. 81		
3. Molly use shown.	ed toothpi	cks to c	reate a	pattern	. The fir	st five st	eps of	her patt	ern are	1
1	-		-		-	_	_	- -	-	
Step 1	Step 2		Step 3		Step 4			Step 5		
Molly will co		1	70		nd her p	oattern. H	low m	any tooti	npicks	will
a. 10		b. 6			c. 11			d. 12		



4. Look at the number pattern below.

	144,	132,	120,	108,	96,	84	
--	------	------	------	------	-----	----	--

If the pattern continues using the same rule, what will be the 9^{th} number in the pattern?

a. 72

b. 60

c. 48

d. 36

5. This number pattern follows a rule.

$\frac{1}{4}$	$\frac{3}{4'}$	$1\frac{1}{4}$,	$1\frac{3}{4}$,	
4	4	4	4	

The pattern will continue in the same way. What is the next fraction number in this pattern?

a. 2

b. $2\frac{1}{4}$

c. $2\frac{3}{4}$

d. $2\frac{2}{4}$

6. The table has information about the number of spoons contained in packages.

Number of Packages	2	4	6	8	10	12
Total Number of Spoons	24	48	72	96	120	?

Based on the table, what would be the total number of spoons in 12 of the packages?

a. 124 b. 134 c. 140 d. 144



7. A table shows the total number of players on different numbers of bowling teams in a tournament.

Bowling Teams			
Number of Teams	Total Number of Players		
2	8		
7	28		
8	32		
?	44		

The pattern continues in the same way. How many bowling teams are needed for a total of 44 players?

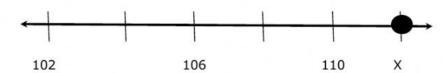
a. 11

b. 12

c. 13

d. 14

8. This number pattern follows a rule.



If the pattern continues the same way, what would be the number that represents 'x'?

a. 108	b. 112	c. 114	d. 116	

9. Lola is using an "add four" rule to mark points in a pattern on her number line.



Using the same rule, what will the next two numbers be in which a dot will be placed on the number line?

a. 82, 84	b. 84, 86	c. 84, 88	d. 82, 86	



Name:	Date:
10. Match the rule to pattern below.	_

4, 12, 36	
2, 6, 10	
9, 7, 5	

Rule: Subtract 2

Rule: Multiply 3

Rule: Add 4

