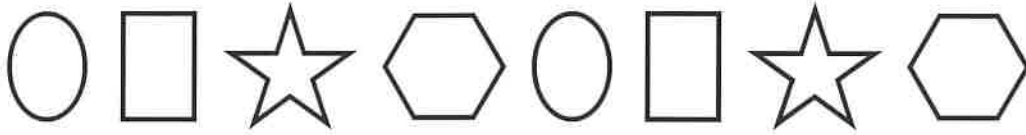


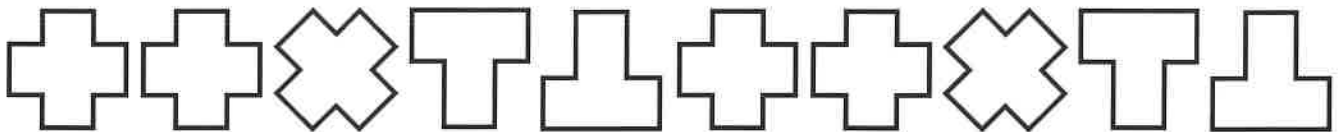
Name: _____

Repeating Patterns

Look at the shapes in each row. Answer the questions about the pattern by drawing the shape in the space provided.



- What is the fourth shape in the pattern?
- If the pattern continued to repeat, what would the 10th shape in the pattern be?
- If the pattern continued to repeat, what would the 17th shape in the pattern be?



- What is the last shape in the pattern before it begins to repeat?
- If the pattern continued to repeat, what would the 12th shape in the pattern be?
- If the pattern continued to repeat, what would the 24th shape in the pattern be?

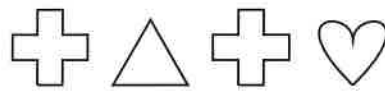
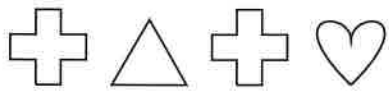
Name : _____

Score : _____

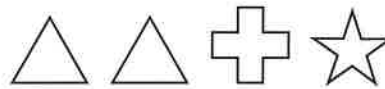
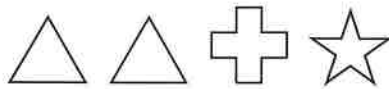
Teacher : _____

Date : _____

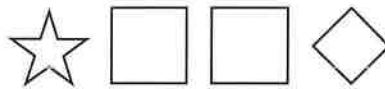
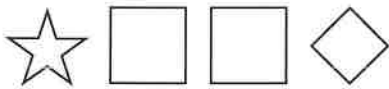
Complete the Pattern



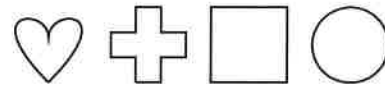
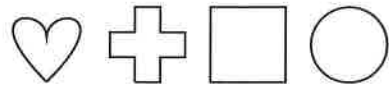
+ _ _ _



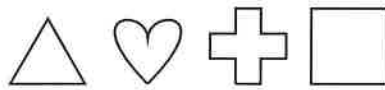
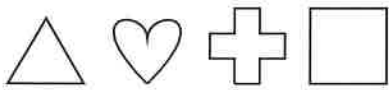
triangle _ _ _



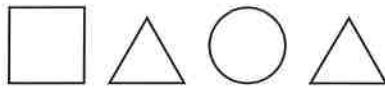
star _ _ _



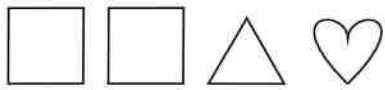
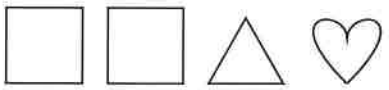
heart _ _ _



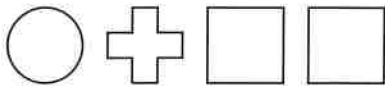
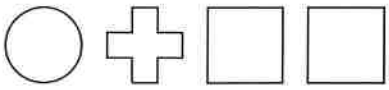
triangle _ _ _



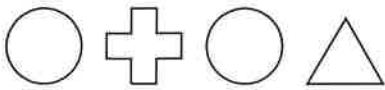
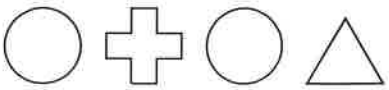
square _ _ _



square _ _ _



circle _ _ _



circle _ _ _



heart _ _ _



Name: _____

Number Patterns

1. Examine the number pattern below.

10, 18, 26, 34, 42 ...

Write the next three numbers in the pattern. _____, _____, _____

How do you know which numbers came next?

2. Examine the number pattern below.

61, 55, 49, 43, 37 ...

Write the next three numbers in the pattern. _____, _____, _____

How do you know which numbers came next?

3. Examine the number pattern below.

56, 67, 78, 89, 100 ...

Write the next three numbers in the pattern. _____, _____, _____

How do you know which numbers came next?

Name: _____

In and Out Boxes

a.

In	Out
7	
9	
14	
	21

rule: add 6

b.

In	Out
2	4
6	12
7	
	18

rule: _____

c.

In	Out
9	2
12	5
18	
	20

rule: _____

d.

In	18		42	
Out		5		9

rule: divide by 6

e.

In	6	9		
Out	5	8	13	19

rule: _____

e. Sam made up a new game in which players throw a Frisbee into a hockey net. The table below shows the number of points earned for each goal.

Points in Frisbee Hockey

Number of Goals	1	2	3	4	5
Total Points	8	16	24	?	40

When 4 goals are scored, how many points are earned? _____

When 10 goals are scored, how many points are earned? _____

Leroy thinks that his team will earn 76 points if his team makes 9 goals. Tell whether or not he is correct and explain your answer.

Name: _____

In and Out Boxes

a.

In	Out
6	
9	
15	
	22

rule: add 4

b.

In	Out
5	2
7	
	9
	13

rule: _____

c.

In	Out
9	14
14	
21	
	30

rule: _____

d.

In	8	13	19	
Out				21

rule: subtract 7

e.

In	9	15		
Out	3		12	18

rule: _____

f. Kris and Pat were born on the exact same day, but not in the same year. Their ages are shown in the table.

Age in Years

Kris' Age	4	7	12	15	?	23
Pat's Age	7	10	15	?	22	26

When Kris was 15, how old was Pat? _____

When Pat was 22, how old was Kris? _____

When Pat was 30, how old was Kris? _____

Which choice best explains the rule for this table? (Circle one)

- a. Add three to Kris' age to find Pat's age.
- b. Add three to Pat's age to find Kris' age.
- c. Subtract three from Kris' age to find Pat's age.
- d. Subtract three from the sum of Pat and Kris' age to find Pat's age.

Name : _____

Score : _____

Teacher : _____

Date : _____

Complete the Skip Counting Series

1) 4, 8, 12, __, __, __, __, __, __, __, __, __, __

2) 10, 20, 30, __, __, __, __, __, __, __, __, __, __

3) 2, 4, 6, __, __, __, __, __, __, __, __, __, __

4) 8, 16, 24, __, __, __, __, __, __, __, __, __, __

5) 3, 6, 9, __, __, __, __, __, __, __, __, __, __

6) 5, 10, 15, __, __, __, __, __, __, __, __, __, __

7) 7, 14, 21, __, __, __, __, __, __, __, __, __, __

8) 9, 18, 27, __, __, __, __, __, __, __, __, __, __

9) 6, 12, 18, __, __, __, __, __, __, __, __, __, __



Name : _____ Score : _____

Teacher : _____ Date : _____

Complete the Skip Counting Series

- 1) 19 , 25 , 31 , _____ , _____ , _____ , _____ , _____
- 2) 2 , 12 , 22 , _____ , _____ , _____ , _____ , _____
- 3) 3 , 9 , 15 , _____ , _____ , _____ , _____ , _____
- 4) 14 , 18 , 22 , _____ , _____ , _____ , _____ , _____
- 5) 7 , 9 , 11 , _____ , _____ , _____ , _____ , _____
- 6) 4 , 14 , 24 , _____ , _____ , _____ , _____ , _____
- 7) 18 , 21 , 24 , _____ , _____ , _____ , _____ , _____
- 8) 11 , 15 , 19 , _____ , _____ , _____ , _____ , _____
- 9) 10 , 19 , 28 , _____ , _____ , _____ , _____ , _____
- 10) 17 , 26 , 35 , _____ , _____ , _____ , _____ , _____
- 11) 1 , 8 , 15 , _____ , _____ , _____ , _____ , _____
- 12) 16 , 24 , 32 , _____ , _____ , _____ , _____ , _____





Identifying patterns

Continue each pattern.

0	6	12	18	24	30
0	7	14	21	28	35
60	52	44	36	28	20

Continue each pattern.

3	9	15	21				
2	9	16	23				
1	9	17	25				
7	15	23	31				
7	13	19	25				
7	12	17	22				

Continue each pattern.

71	65	59	53				
90	82	74	66				
56	49	42	35				
72	66	60	54				
96	88	80	72				
48	42	36	30				

Continue each pattern.

36	43						85
61	55					25	19
0	7	14					49
7	14						56
4	12			36			