

**Day 4 Lesson**  
**2.3 Penny L's**

Name: \_\_\_\_\_



**Figure 1      Figure 2      Figure 3      Figure 4      Figure 5**  
 Use the pattern above to answer the following questions.

**1. Make a sketch of the next two figures in the pattern.**

**2. Complete the table.**

Fig. #	# of Pennies
1	
2	
3	
4	
5	
6	
10	
28	
52	
n	

**3. How many pennies would you need to build figure 10? Figure 28? Figure 52?**

10<sup>th</sup>      \_\_\_\_\_

28<sup>th</sup>      \_\_\_\_\_

52<sup>nd</sup>      \_\_\_\_\_

**4. Describe the pattern in words.**

**5. Write a rule for the pattern.**

**6. Use the table to make a coordinate graph.**

**Extension question: If you had a figure with exactly 100 pennies, which figure number would it be? Explain your thinking.**

# Day 4 Homework

## 2.3 Crouching Dog, Hidden Pattern

Name: \_\_\_\_\_

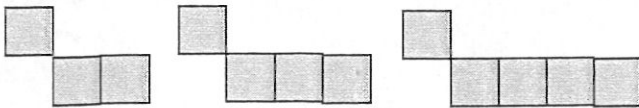


Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Use the pattern above to answer the following questions.

1. Make a sketch of the next two figures in the pattern.

2. Complete the table.

Fig. #	# of tiles
1	
2	
3	
4	
5	
6	
12	
40	
56	
n	

3. How many tiles would you need to build figure 12? Figure 40? Figure 56?

12<sup>th</sup> \_\_\_\_\_

40<sup>th</sup> \_\_\_\_\_

56<sup>th</sup> \_\_\_\_\_

4. Describe the pattern in words.

5. Write a rule for the pattern.

**Extension question:**

If you had a figure with exactly 100 tiles, which figure number would it be? Explain your thinking.

6. Use the table to make a coordinate graph.

