

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

**LINE MASTER 10.1**

**Part A**

Extend each pattern.

3, 6, 9, 12, 15, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

36, 31, 26, 21, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

2, 20, 200, 2000, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, ...

**Part B**

Use the pattern below to complete the table.



Figure 1



Figure 2



Figure 3



Figure 4

Figure	Number of Tiles
1	
2	
3	
4	
5	
6	

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### LINE MASTER 11.1

#### Part A

Record an expression or an equation for each statement.  
Use a variable such as  $n$  for unknown numbers.

a number times 7 is 14

a number decreased by 7

a number divided by 4 is 32

15 more than a number is 62

5 times a number is 2 less than 12

the sum of two numbers is 24

#### Part B

Which equations have only one solution?  
Which have more than one solution? Explain your thinking.

$$4 + j = 32$$

$$150 = b \times c$$

$$17y = 85$$

$$7n + 2 = 10 \times 3$$