		Name	Date			
Master 10.18 Extra Practice 1						
L	Lesson 1: Patterns in Multiplication					
1.	1. Multiply. Use mental math.					
	a) 2 × 17 × 5 d) 2 × 43 × 50	b) 31 × 5 × 2 e) 3 × 18 × 10	c) $2 \times 147 \times 5$ f) $4 \times 50 \times 5$			
2.	2. Multiply 10×35 . Use this multiplication fact to find the missing factors.					
	a) 🔄 × 35 = 385	b) 🔄 × 35 = 315				
	c) 420 = 🗌 × 35	d) 280 = 🔄 × 35				

Extra Practice 1 Master 10.18)

Lesson 2: Exploring Patterns in Decimals with a Calculator

1. a) Change each fraction to a decimal.

 $\frac{1}{12}, \ \frac{2}{12}, \ \frac{3}{12}, \ \frac{4}{12}, \ \frac{5}{12}, \ \frac{6}{12}, \ \frac{7}{12}$

- b) Describe any patterns.
- c) Write five other fractions with denominator 12. Change these fractions to decimals.
- 2. a) Copy and complete each table for numerators to 10.

Fraction	Decimal
$\frac{1}{5}$	
<u>2</u> 5	
<u>3</u> 5	

Fraction	Decimal
1	
10	
2	
10	
<u>3</u> 10	

- b) Describe the pattern in each table.
- c) How are the patterns in the tables the same? How are they different?

Master 10.19) **Extra Practice 2**

Lesson 3: Graphing Patterns

1. Wayne is paid \$7 an hour to mow lawns.

The table shows his earnings.

Hours	Amount Earned (\$)
2	14
4	28
6	42
8	56

- a) Write a pattern rule for the amount earned.
- b) Draw a line graph to display the data.
- c) Suppose Wayne works 7 h. Use the graph to find how much he will earn.

Name Date

Master 10.19)

Extra Practice 2

Lesson 4: Another Number Pattern

- 1. a) Find the 15th Fibonacci number.
 - b) What is the sum of the first 15 Fibonacci numbers?
- 2. Suppose you followed the Fibonacci pattern, but started at 6. 6, 6, 12, ... Show the first 10 numbers in this pattern.

Na	am	ne
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Date

