

Name: _____

Date: _____

Patterns in Tables

Extend the pattern in the tables below:

a)

Number of Houses	Total Number of Windows
1	6
2	12
3	18
4	
5	

b)

Number of Dresses	Meters of Fabric	Time to Sew (minutes)	Cost of Fabric (\$)
1	2	30	4.50
2	4	60	
3	6		13.50
5			
6			

Math Review

- Write the next 5 terms and the pattern rule.
 - 101, 95, 92, 86, 83...
 - 12, 16, 11, 15, 10...
 - Start at 47. Subtract 8 each time.
 - Start at 76. Alternately subtract 3, then add 2.
- Mrs. Ross loves to bake banana bread.

She needs 3 bananas, 1 cup of chocolate chips, and 4 cups of whole wheat flour.

Make a chart to show how much of each ingredient she needs to make 6 banana breads.
- Mrs. Detsky loves candy. She buys 2 chocolate bars for \$6.00.
 - How much money will it cost her to buy 24 chocolate bars? (Use a chart to show your work!)
 - If she spends \$200, how many chocolate bars would she have?

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Using Patterns to Solve Problems

Sally is saving up money to buy her sister a birthday present. She needs \$115 for the gift and she earns \$8.00 for raking leaves on her street. How many days will it take Sally until she earns enough money to buy her sister the gift? **Complete a table in the space below.**

b) If Sally starts raking leaves on October 17 and her sister's birthday is on October 30. Will she have enough time to earn the money she needs to in order to buy the gift? Explain your thinking.

2. a) Fill in the missing information in the table.

Number of Kilometres Driven	Litres of Gas Needed
1	
2	8
3	
4	16
5	
6	24
7	
8	

b) What is the pattern rule?

Patterning Pre-Test

Write the next 3 terms for each pattern. Write the pattern rule:

1) 4, 13, 12, 21, 20, _____, _____, _____

Pattern Rule: _____

2) 24, 48, 72, 96, 120, _____, _____, _____

Pattern Rule: _____

3) 2, 4, 2, 6, 5, _____, _____, _____

Pattern Rule: _____

4) 96, 88, 80, 72, 64, _____, _____, _____

Pattern Rule: _____

Write the first 5 terms for each pattern:

1) Start at 16. Add 11 each time.

_____, _____, _____, _____, _____

2) Start at 2. Alternately add 4, then subtract 2 each time.

_____, _____, _____, _____, _____

3) Start at 76. Subtract 13 each time.

_____, _____, _____, _____, _____

Patterning Pre-Test

Mr. Jackson loves having people over to barbeque. He figures that each person will need 3 packages of ketchup, 1 package of mustard and 2 packages of barbeque sauce. How many condiments will Mr. Jackson need for 7 guests? 12 guests?

a) Complete a table in the space below.

b) If Mr. Jackson had 68 packages of condiments, what is the greatest number of people he could have over? Explain your thinking.

Patterning Pre-Test

a) Fill in the missing information in the table.

Number of Kilometres Driven	Litres of Gas Needed
1	
2	6
3	
4	12
5	
6	18
7	
8	

b) What is the pattern rule?
