Name: _____ Date:_____

Class: _____ Score:_____/ 100

FIRST SEMESTER FINAL TEST

Allotted Time: 30 minutes

I. PATTERNS AND ALGEBRA

1. Filling the missing numbers:

a) 17 is _____ greater than 15.

b) 30 is _____ greater than 25.

c) 8 is _____ less than 59.

2. Choose the core of the following patterns:

a) J R R J R R J R R

The core is: RJR or JRR

b) R J J J R J J J R J J J

The core is: RJJJ or JJRJ

3. Extend the number pattern. Then write the rule for the pattern :

a)

Figure	Number of Squares
1	4
2	11
3	18

Rule :
Start at ..... and .... each time

b)

Figure	Number of Squares
1	7
2	11
3	15

Rule :
Start at ..... and .... each time

LIVEWORKSHEETS

4. Match each sequence with the sentence that describes it. This sequence....

A ... increases and decreases.
B ... increases by the same amount.
C ... decreases by different amounts.
D ... decreases by the same amount.

____ 21 , 19 , 15 , 13 , 9

____ 10 , 13 , 9 , 7 , 5

____ 19 , 17 , 15 , 13 , 11

____ 9 , 12 , 15 , 18 , 21

5.
The snow is 17 cm deep at 4 pm.
4 cm of snow falls each hour.
How deep is the snow at 9 pm?

Hour	Cm
pm	cm
pm	cm
pm	cm
pm	cm
pm	cm



The snow will be _____ cm deep at 9 pm.

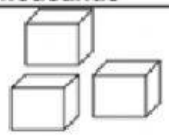
LIVEWORKSHEETS

II. NUMBER SENSE

1. Choose the place value of the underlined digits

1<u>6</u>0	thousands	hundreds	tens	ones
<u>5</u>521	thousands	hundreds	tens	ones

2. Write the number for the given base ten blocks:

Thousands	Hundreds	Tens	Ones	Number
				_____

3. Write the number in expanded form (using <u>numerals</u>):

a) 2 886 = 2 000 + _____ + _____ + _____

4. Create the greatest possible number using these numbers. (Use each number once)

a) 3, 2, 7, 5 _____ b) 0, 5, 3, 2 _____ c) 1, 9, 4, 8 _____

5. Word problems

A. Bobby has 120 books. Kristi has 60 books.
How many more books does Bobby have than Kristi?

☐ ☐ ☐ = ☐ books

B. Tim had 210 pennies in his bank. His dad gave him 65 more pennies.
How many pennies does Tim have now ?

☐ ☐ ☐ = ☐ pennies

D. A bee has 6 legs. How many legs do 25 bees have?

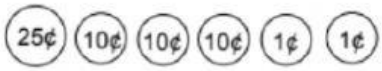
☐ ☐ ☐ = ☐ legs

LIVEWORKSHEETS

6. Count the coins and write the total amount

a) 

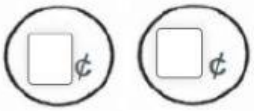
total = _____ ¢

b) 

total = _____ ¢

7. Draw the extra coins

Kevin has 25¢. He wants to buy a pen for 35¢.

25¢ +  = 35¢

8. Word problems

Tim paid $1.25 on a dog toy with 2 Toonies. How much change did Tim receive?

2 Toonies = _____ ¢

 ¢

9. Round the following numbers to the nearest ten

a) 41 ≈ _____ c) 2835 ≈ _____

b) 177 ≈ _____ d) 763 ≈ _____

10. Round the following numbers to the nearest hundred

a) 397 ≈ _____ c) 2183 ≈ _____

b) 916 ≈ _____ d) 7705 ≈ _____

LIVEWORKSHEETS