

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
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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

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.

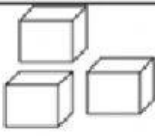
II. NUMBER SENSE

1. Choose the place value of the underlined digits

160 thousands hundreds tens ones

5521 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 numerals):

a) $2\ 886 = 2\ 000 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

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 ?

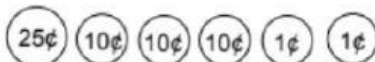
= pennies

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

= legs

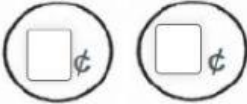
6. Count the coins and write the total amount

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 ≈ _____