Labrador School Board

Grade 8 Mathematics

District Assessment

June 14th, 2013

Name:_____

Teacher: _____

Section 1: Non-Calculator Section – 15 marks

You are **not permitted** to use a calculator. You are permitted to use any math manipulatives that your teacher has used with you this year.

NOTE: Please remove the last sheet from this section and put your name on it. You will use it to circle your choices for the "Selected Response" questions in both Section 1 and Section 2. This sheet needs to be passed back to your teacher when you are finished the exam along with Sections 1 and 2.

Questions 1-5 (Selected Response): These are worth 1 mark each. Even though you have to choose an answer, you may have to work things out on scrap paper**.**

Questions 1-4 (Constructed response): Answers are to be done in the spaces provided. Students are reminded to show **all** steps/calculations since credit may be given for incomplete or partially correct solutions. **Numerical answers without workings/explanation will not merit full credit.** Your teacher will collect Section 1 when you are finished and will then give you Section 2.

This is not a timed-test. You are allowed enough time to complete all items.

Grade 8 Mathematics

Formulae

Surface Area	**Cylinder**	$SA = 2\pi r^2 + 2\pi rh$ *or* $SA = 2\pi r^2 + \pi dh$
Volume		$\boldsymbol{V = Area\ of\ Base \times Height}$
Pi		$\pi = 3.14$
Pythagorean Theorem		$\boldsymbol{a^2 + b^2 = c^2}$

Section A – Selected Response: Circle your responses on the answer sheet provided .

1. Which number is a perfect square?

   A) 7

   B) 14

   C) 28

   D) 49

2. Evaluate: $(-10) \times (-5) \times (-1)$

   A) -50

   B) -16

   C) $+16$

   D) $+50$

3. Calculate: $3\frac{1}{4} \div 2\frac{1}{2}$

   A) $1\frac{1}{8}$

   B) $1\frac{3}{10}$

   C) $1\frac{1}{2}$

   D) $8\frac{1}{8}$

4. Solve for x: $\frac{x}{-4} = -6$

A) -24

B) -10

C) $+10$

D) $+24$

5. Solve for w: $7w = -35$

A) -28

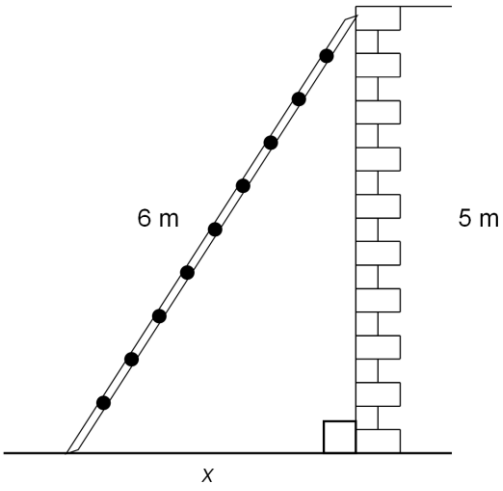
B) -5

C) $+5$

D) $+28$

Section A - Constructed Response: Answers are to be done in the spaces provided. Show all necessary workings.

1. A 6 m ladder rests against the top of a 5 m wall. How far is the ladder from the wall? [3 Marks]



2. Use a model of your choice (i.e. counters, number line, etc.) to determine the value of $(-3)\times(+4)$. [2 Marks]

3. There are $3\frac{1}{2}$ busloads of tourists visiting Gros Morne for a boat ride. Each bus holds 20 tourists but the boat can take only 9 tourists. What is the minimum (least) number of boat trips required in order for all tourists to take a ride? [3 Marks]

4. Solve for p: $\frac{p}{3} + 4 = -1$ [2 Marks]

LSB – Selected Response-Grade 8 Math

1.	A	B	C	D	16	A	B	C	D
2.	A	B	C	D	17.	A	B	C	D
3.	A	B	C	D	18.	A	B	C	D
4.	A	B	C	D	19.	A	B	C	D
5.	A	B	C	D	20.	A	B	C	D
6.	A	B	C	D	21.	A	B	C	D
7.	A	B	C	D	22.	A	B	C	D
8.	A	B	C	D	23.	A	B	C	D
9.	A	B	C	D	24.	A	B	C	D
10.	A	B	C	D	25.	A	B	C	D
11.	A	B	C	D	26.	A	B	C	D
12.	A	B	C	D	27.	A	B	C	D
13.	A	B	C	D	28.	A	B	C	D
14.	A	B	C	D	29.	A	B	C	D
15.	A	B	C	D	30.	A	B	C	D

Name: _____

Teacher: _____