These are level 3 questions from the tests you have completed this year.

Grade 6 Math Show What You Know

N6.1 Demonstrate understanding of place value including: greater than one million and less than one thousandth, with and without technology.

6. Write a decimal that is between 0.6561 and 0.6562.

_____

N6.2 Demonstrate understanding of factors and multiples (concretely, pictorially, and symbolically) including: determining factors and multiples of numbers less than 100; relating factors and multiples to multiplication and division; determining and relating prime and composite numbers.

11. Tasha wants to plant equal numbers of marigolds and petunias. Marigolds come in trays of 8. Petunias come in trays of 6. What is the least number of trays of marigolds and petunias Tasha needs to have the same amount of each flower to plant?

N6.3 Demonstrate understanding of the order of operations on whole numbers (excluding exponents) with and without technology.

8. Sandy bought 5 bags of chips at $2.49 each.
   She used a $3.00 coupon to pay for part of the cost.

   Write an expression to show how much she paid for the chips.
   Solve the expression.

N6.4 Extend understanding of multiplication and division to decimals (1-digit whole number multipliers and 1-digit natural number divisors).

10. Amanda skateboarded 2.25 km in 5 min. Jose skateboarded 2.72 km in 8 min.
    Who travelled farther in 1 min.? Show your work.

N6.5 Demonstrate understanding of percent (limited to whole numbers to 100) concretely, pictorially, and symbolically.

8. Luis got 18 out of 20 on a math quiz. Kerry got 85% on the quiz.

Whose mark was greater? _____

Show your work here.

N6.6 Demonstrate understanding of integers concretely, pictorially, and symbolically.

11. Statistics Canada reported these data about Canada's population.

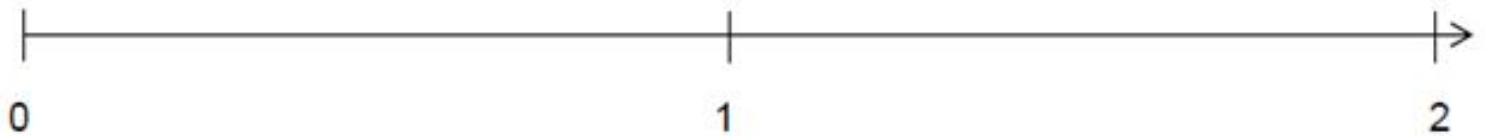| Years	Births	Deaths	Immigration
1961-1966	2 249 000	731 000	539 000
1996-2001	1 705 000	1 089 000	1 217 000

a) Which numbers can be represented by positive integers?

_____

b) Which numbers can be represented by negative integers?

_____

N6.7 Extend understanding of fractions to improper fractions and mixed numbers.

9. Locate the positions of these fractions on the number line.

$$\frac{1}{2} \quad \frac{3}{4} \quad \frac{1}{3} \quad 1\frac{1}{2} \quad \frac{7}{8} \quad \frac{1}{10}$$

```
├───────────────────────────┼───────────────────────────┼>
0                           1                            2
```

N6.8 Demonstrate understanding of a ratio concretely, pictorially, and symbolically.

7. Draw shapes to show each ratio.

ratio	shapes
5:6	
2/11	