SAMPLES OF STANDARDS STUDENTS ARE LEARNING THIS NINE WEEKS:

4TH GRADE MATH

STANDARDS: 4.NBT.1, 4.NBT.2, 4.NBT.3, 4.NBT.4, 4.NBT.5, 4.OA.1, 4.OA.2, 4.OA.3, 4.OA.4

1. Which number sentence is true?

A 376,425 > 367,419

B 337,425 > 337,524

C 336,425 < 335,426

D 327,425 < 327,41

Key: A

4.NBT.2- *Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.*

2. Estelle had 28 coins in her collection. Fred had 4 times as many coins as Estelle had. Which equation can be used to determine the number of coins Fred had?

A 28 × 4 = ?

B 28 ÷ 4 = ?

C 28 + 4 = ?

D 28 − 4 = ?

Key: A

4.OA.1-Interpret a multiplication equation as a comparison, e.g., interpret 35 = 5×7 as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.

3. Which number would be 16,000 when rounded to the nearest thousand?

A 15,472

B 15,518

C 16,511

D 16,739

Key: B
4.NBT.3-Use place value understanding to round multi-digit whole numbers to any place.

4. A store ordered 28 boxes holding 12 banana muffins each and 5 boxes holding 6 blueberry muffins each. What was the total number of muffins the store ordered?

A 51

B 366

C 440

D 10,080

Key: B
4.NBT.5, 4.OA.3-Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

5. The price of a board game is $24. The price of the board game is 2 times as much as the price of a jigsaw puzzle. What is the price of the jigsaw puzzle?

A $12

B $22

C $26

D $48

Key: A
4.OA.2-Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.

6. The value of the 7 in 507,264 is 10 times the value of the 7 in which number?

A 493,725

B 587,921

C 672,439

D 714,093

Key: A
4.NBT.1-Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. For example, recognize that 700 ÷ 70 = 10 by applying concepts of place value and division.

7. In 2011, the number of students who signed up for a computer course was 445. In 2013, the number had increased to 900. How many more students signed up in 2013 than in 2011?

Select right answer.

- (•) A 455
- ( ) B 555
- ( ) C 545
- ( ) D 445

Key: A
4.NBT.B.4-Fluently add and subtract multi-digit whole numbers using the standard algorithm. (Grade 4 expectations in this domain are limited to whole numbers less than or equal to 1,000,000. A range of algorithms may be used.)
Rationale: This exercise requires subtraction with regrouping. The problem would probably be easier to solve if written vertically. Regrouping is required in the ones and tens digits. The difference is calculated to be 455.

8. Olivia is listing the multiples of 4 from 0 to 100. Which of the following numbers would not be found in her list?

Select right answer.

- ( ) A. 44
- (•) B. 50
- ( ) C. 52
- ( ) D. 68

Key: B
4.OA.B.4-Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a

multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.

Rationale: Of the numbers listed, 50 is the one that would not be in the list. 50 is not a multiple of 4, since 50 divided by 4 results in a remainder.