Archbishop Williams High School

Summer – Math Requirement

<u>Students Entering:</u>
Grade 7

Directions:
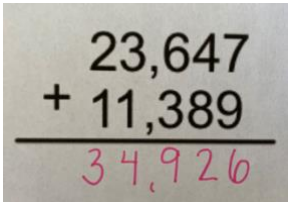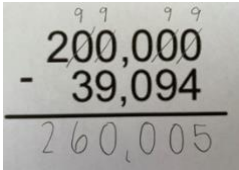- Complete ALL problems
- Pencil ONLY
- Show all work … NO work = NO grade
- Do NOT use a calculator
- Summer Math Packet WILL be graded

Name _____

Add or subtract each equation.

1.	2.
785,928 +216,904	432,986 - 66,454
3.	4.
862,094 -74,198	198,519 +67,834

Evaluate the following equations. Describe the mistake and fix it to get the correct answer.

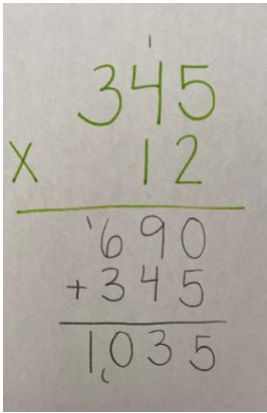| Find the Mistake	Correct Answer
23,647 + 11,389 34,926	
200,000 - 39,094 260,005	

Find the product.

564	983
×6	×48

Evaluate the following equations. Describe the mistake and fix it to get the correct answer.

Find the Mistake	Make the Correction
$$\begin{array}{r} 3\overset{1}{4}5 \\ \times 12 \\ \hline 690 \\ +345 \\ \hline 1{,}035 \end{array}$$	

Find the quotient.

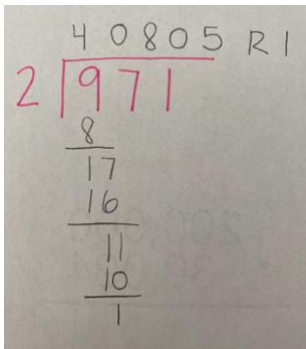|	
$6\overline{)719}$	$6\overline{)373}$
$3\overline{)538}$	

Evaluate the following equations. Describe the mistake and fix it to get the correct answer.

Find the Mistake	Make the Correction
40805 R1 $2\overline{)971}$ 8 17 16 11 10 1	

Add or subtract.

86.44 - 37.27	45.56 +77.28
83.88 - 41.95	70.11 +92.59

Compare the following by writing < , > or = in the circle.

$\dfrac{5}{6}$ ◯ $\dfrac{33}{42}$	$\dfrac{4}{16}$ ◯ $\dfrac{12}{24}$
$\dfrac{8}{10}$ ◯ $\dfrac{6}{9}$	$\dfrac{28}{49}$ ◯ $\dfrac{18}{21}$

Put the following fractions in simplest form.

Fraction	Simplest Form
$^{14}/_{21}$	
$^{35}/_{70}$	
$^{16}/_{24}$	

Write each word phrase as an algebraic expression.

Phrase	Algebraic Expression
6 less than 3t	
The product of x and 6	
Six times the sum of x and 8	
A number plus 17 is 25	
Six less than 2 times y is 34	

Answer the following questions.

1. Josie is having a birthday party. She wants to make birthday bags for all of her guests. She wants each bag to be identical with nothing leftover. If she has 36 Silly Bandz and 72 pieces of candy, what is the greatest number of bags she can make and how many items will be in each bag?

2. Joey is making trial mix out of 48 bags of nuts and 32 bags of dried cranberries. She wants each new portion of trail mix to be identical containing the same combination of nuts and cranberries with nothing left over. What is the greatest number of portions of trail mix Joey can make and how much of each ingredient will be in each portion?