

Archbishop Williams High School

Summer 2020 – Math Requirement

Students Entering:
Grade 7

Directions:

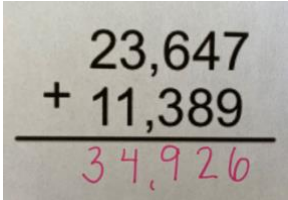
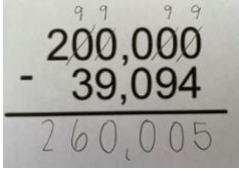
- Complete ALL problems
- Pencil ONLY
- Show all work ... NO work = NO grade
- Do NOT use a calculator
- Summer Math Packet WILL be graded

Name _____

Add or subtract each equation.

| | |
|--|--|
| <p>1.</p> $\begin{array}{r} 785,928 \\ +216,904 \\ \hline \end{array}$ | <p>2.</p> $\begin{array}{r} 432,986 \\ - 66,454 \\ \hline \end{array}$ |
| <p>3.</p> $\begin{array}{r} 862,094 \\ -74,198 \\ \hline \end{array}$ | <p>4.</p> $\begin{array}{r} 198,519 \\ +67,834 \\ \hline \end{array}$ |

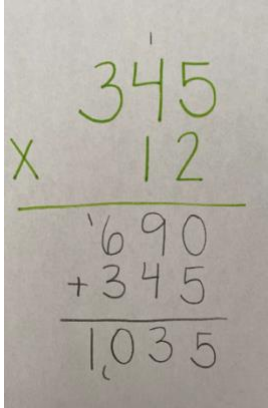
Evaluate the following equations. Describe the mistake and fix it to get the correct answer.

| Find the Mistake | Correct Answer |
|--|----------------|
|  $\begin{array}{r} 23,647 \\ + 11,389 \\ \hline 34,926 \end{array}$ | |
|  $\begin{array}{r} 200,000 \\ - 39,094 \\ \hline 260,005 \end{array}$ | |

Find the product.

| | |
|--|---|
| $\begin{array}{r} 564 \\ \times 6 \\ \hline \end{array}$ | $\begin{array}{r} 983 \\ \times 48 \\ \hline \end{array}$ |
|--|---|

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

| Find the Mistake | Make the Correction |
|---|---------------------|
|  | |

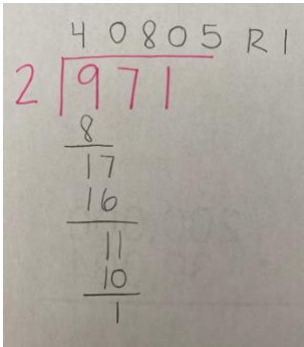
Find the quotient.

$$6 \overline{)719}$$

$$6 \overline{)373}$$

$$3 \overline{)538}$$

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

| Find the Mistake | Make the Correction |
|--|---------------------|
|  <p>Handwritten long division of 40805 by 2. The quotient is 20402 and the remainder is 1. The numbers 2, 9, 7, 1 are written in red.</p> | |

Add or subtract.

$$\begin{array}{r} 86.44 \\ - 37.27 \\ \hline \end{array}$$

$$\begin{array}{r} 45.56 \\ + 77.28 \\ \hline \end{array}$$

$$\begin{array}{r} 83.88 \\ - 41.95 \\ \hline \end{array}$$

$$\begin{array}{r} 70.11 \\ + 92.59 \\ \hline \end{array}$$

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

$$\frac{5}{6} \bigcirc \frac{33}{42}$$

$$\frac{4}{16} \bigcirc \frac{12}{24}$$

$$\frac{8}{10} \bigcirc \frac{6}{9}$$

$$\frac{28}{49} \bigcirc \frac{18}{21}$$

Put the following fractions in simplest form.

| Fraction | Simplest Form |
|-----------------|---------------|
| $\frac{14}{21}$ | |
| $\frac{35}{70}$ | |
| $\frac{16}{24}$ | |

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 | |

