

Name: _____

5th Grade into 6th Grade Math Summer Work

Addition and Subtraction: Find the sum or difference of the two numbers in each problem *without* a calculator. Show all work.

$$\begin{array}{r} 652 \\ +345 \\ \hline \end{array}$$

$$\begin{array}{r} 726 \\ +268 \\ \hline \end{array}$$

$$\begin{array}{r} 7.75 \\ +1.46 \\ \hline \end{array}$$

$$51.4 + 2.86$$

$$\begin{array}{r} 407 \\ -198 \\ \hline \end{array}$$

$$\begin{array}{r} 7,007 \\ - 198 \\ \hline \end{array}$$

$$\begin{array}{r} 80.401 \\ -44.23 \\ \hline \end{array}$$

$$75.89 - 9.4$$

Multiplication and Division: Find the product or quotient of the two numbers in each problem. Do not use a calculator. Show all work. If there is a remainder, state the remainder as R = ____.

$$65 \times 4 =$$

$$84 \times 39 =$$

$$591 \div 7 =$$

$$264 \div 12 =$$

Rounding: Underline the given place value. Look to the right. If this digit is 5 or greater, increase the underlined digit by 1. If the digit to the right is less than 5, keep the underlined digit the same. *Round to the nearest...*

tenth 0.3479 _____

hundredth 0.7553 _____

whole number 3.268 _____

ten 162.21 _____

thousandth 0.0036 _____

hundred 990.54 _____

Comparing Decimals: Use the signs $>$, $<$, or $=$.

$0.205 \quad \bigcirc \quad 0.21$

$.03 \quad \bigcirc \quad 0.03$

$0.04 \quad \bigcirc \quad 0.050$

$1.0 \quad \bigcirc \quad 0.1000$

$0.52 \quad \bigcirc \quad 0.500$

$0.41 \quad \bigcirc \quad 0.405$

Comparing Fractions: Compare each pair of numbers. Write the correct comparison symbol ($<$, $>$, or $=$) in each circle. Make sure you have common denominators (or some other method to compare) before writing the inequality symbol.

$\frac{3}{8} \quad \bigcirc \quad \frac{5}{8}$

$\frac{3}{4} \quad \bigcirc \quad \frac{3}{8}$

$\frac{3}{7} \quad \bigcirc \quad \frac{1}{4}$

$\frac{7}{8} \quad \bigcirc \quad \frac{3}{4}$

Ordering Fractions: Order the following fractions from **least** to **greatest**. Make sure you have common denominators (or some other method to compare) before ordering the fractions.

$\frac{1}{5}, \frac{4}{5}, \frac{1}{10}, \frac{6}{10}, \frac{7}{10}$

$\frac{1}{2}, \frac{1}{4}, \frac{1}{6}, \frac{1}{3}, \frac{1}{5}$

$\frac{1}{2}, \frac{5}{16}, \frac{30}{64}, \frac{3}{8}, \frac{9}{32}$

Simplifying Fractions: Simplify the following fractions. If the fractions are improper, change them to mixed numbers then simplify. Show your work!

$$\frac{14}{28}$$

$$\frac{15}{55}$$

$$\frac{12}{51}$$

$$\frac{34}{48}$$

$$\frac{17}{4}$$

$$\frac{80}{25}$$

Factors: List all the factors for each number in numeral order.

18: _____

30: _____

23: _____

45: _____

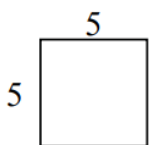
Multiples: List the first 5 multiples of each number.

8: _____

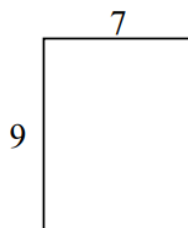
12: _____

24: _____

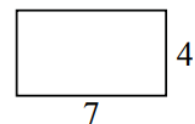
Area: The number of square units needed to cover a region is the area (square units). The formula is $A=l \times w$. For each problem, copy the formula, substitute the length and width, and solve. Write your answer with square units. Show your work!



A = _____

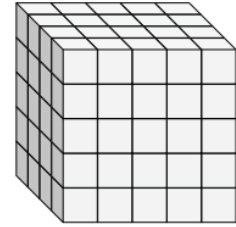
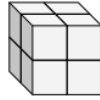
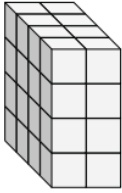


A = _____



A = _____

Volume: The amount of space inside a solid figure is the volume of the figure (cubic units). The formula is $V=l \times w \times h$. For each problem, copy the formula, substitute the length and width, and solve. Write your answer with cubic units. Show your work!



$V = \underline{\hspace{2cm}}$

$V = \underline{\hspace{2cm}}$

$V = \underline{\hspace{2cm}}$

Order of Operations: Solve the following problems. Show your work. Be sure to follow the order of operations. PEMDAS (parentheses, exponents, multiplication, division, addition and subtraction (multiplication and division in order of appearance) (addition and subtraction in order of appearance)).

$15 \times 8 - 3 =$

$(30 + 8) \times 6 - 1 =$

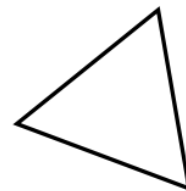
$36 - 5(16 - 11) =$

$25 + 18 \div 6 - 1 =$

$(29 - 18) + 14 \div 2 + 6 =$

$(30 + 8) \times (6 - 1) =$

Triangle Types: Label the triangles as acute, obtuse, or right.



Adding and Subtracting Fractions and Mixed Numbers: Add or subtract the following fractions. Make sure you have *common denominators* before adding or subtracting. Remember, you only add or subtract the numerator (top number) and keep the denominator (bottom number) the same. Simplify your final answers. Show your work!

$$\frac{6}{10} + \frac{3}{10} =$$

$$2\frac{3}{8} + 1\frac{2}{8} =$$

$$\frac{1}{9} + \frac{5}{6} =$$

$$2\frac{8}{12} - 1\frac{3}{12} =$$

$$\frac{7}{10} - \frac{2}{4} =$$

$$3\frac{4}{5} - \frac{1}{4} =$$

Quadrilaterals: Identify the quadrilateral described.

I am a two-dimensional figure that has four sides. I have four 90 degree angles. I have two sets of parallel lines. I also have two sides that are one length and my other two sides are a different length. Who am I? _____

I am a two-dimensional shape that has four sides. I have two obtuse angles and two acute angles. I have two different sets of parallel sides. I also have two sides that are one length, and my other two sides are a different length. Who am I? _____

I am a two-dimensional shape that has four 90 degree angles. I have four sides that are all the same length. I have two pairs of parallel lines. Who am I? _____

I am a two-dimensional shape that has four sides, two pairs of parallel lines and all sides are equal. Who am I? _____

I am a two-dimensional shape that has four sides and exactly one pair of parallel lines. Who am I? _____

Conversions: Convert the following customary units.

4 feet and 3 inches = _____ inches

3 yards = _____ feet

1 pint and 1 cup = _____ cups

6 gallons = _____ quarts

2 tons = _____ pounds

1 pound and 7 ounces = _____ ounces

81 minutes = _____ hours and _____ minutes

2 hours and 38 minutes = _____ minutes