

Summer Math Requirements Enriched/Accelerated Classes

During the relaxing and fun days of summer, our hope is for the students to keep their academic skills sharp for when they return in the fall. For math, students will need to login to www.ixl.com to complete the assignments. Most login id's are the students' first initial and last name followed by @inc. Passwords are the number code they have on their ID badge. Teachers receive weekly reports showing who has and has not completed the work so students do not need to do anything to document that they did the work. The report will automatically show who has completed the work, when the work was completed, what work was completed, and how the student performed.

Complete the following **6th GRADE** sections with a score of **85** by June 30th:

CC.4 – Classify Triangles

FF.14 – Volumes of Cubes

O.7 – Add, Subtract, Multiply, and Divide two fractions

Complete the following **6th GRADE** sections with a score of **85** by July 31st:

N.11 – Divide Integers

S. 4 – Percents of Numbers and Money Amounts

E.7 – Greatest Common Factor

Z.6 – Solve one step equations with whole numbers


Complete the math packet and turn into your sixth grade math teacher by August 30th.

Students are more than welcome (and highly encouraged) to complete more sections than the sections required on the list. Additional books with summer review are also available at most book stores and United Art and Education that provide summer "bridging" work for each grade level. These are another good resource for students.

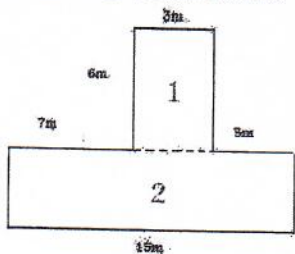

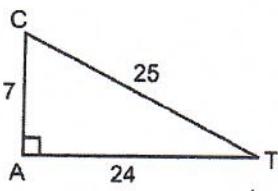
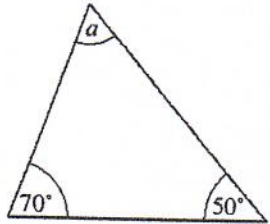
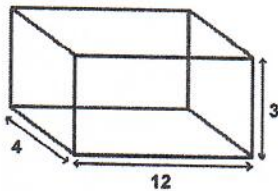
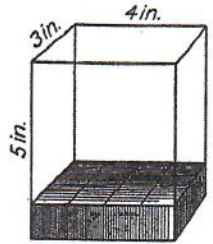
Happy Math and Happy Summer!

Name: _____

SUMMER wizard!

| | | | |
|--|---|---|--|
| <p>Write a five digit number with a 5 in the tens place, a 7 in the hundredths place, an 8 in the hundreds place, and a 2 in the other places.</p> | <p>Compare. Use $<$, $>$, $=$.</p> <p>3.54 3.459</p> | <p>Solve.</p> <p>$87.3 + -22.98 =$</p> | <p>Solve.</p> <p>$56.7 - 91.2 =$</p> |
| <p>What is the prime factorization USING EXPONENTS of 60?</p> | <p>Solve.</p> <p>$6^2 =$</p> | <p>Solve.</p> <p>62×-43.7</p> | <p>ESTIMATE. (Remember you round first! Get to a basic multiplication problem – make it easy!)</p> <p>$3,854 \times 7 =$</p> |
| <p>If a dozen batteries costs \$22.68, how much does one battery cost?</p> | <p>ESTIMATE. Show how you rounded. (Remember you round first with compatible numbers – get on Easy Street!)</p> <p>$556 \div 9 =$</p> | <p>Divide.</p> <p>$4324 \div 4 =$</p> | <p>Convert to a fraction and a percent.</p> <p>.62</p> <p>Fraction:</p> <p>Percent:</p> |
| <p>Round to the nearest tenth.</p> <p>$7.632 =$</p> | <p>Add.</p> <p>$34.62 + 173.9 =$</p> | <p>Subtract.</p> <p>$86.3 - 32.58 =$</p> | <p>What time is it?</p>  |

| | | | |
|---|--|---|--|
| <p>Multiply.</p> $4.8 \times 3.9 =$ | <p>Multiply. (Remember – no need to show work here!)</p> $4.59 \times 1,000 =$ | <p>Divide.</p> $67.5 \div 45 =$ | <p>Divide.</p> $-18.6 \div -.12$ |
| <p>Solve. (P. E. M/D. A/S.)</p> $7 \times 10 + 3^2 \times 30 =$ | <p>What is the GCF (greatest common <u>factor</u>) of 24 and 60?</p> | <p>What is the LCM (least common <u>multiple</u> of 6 and 15?</p> | <p>Compare. Use <, >, =.</p> $\frac{2}{9} \quad \frac{2}{5}$ |
| <p>Reduce to simplest form.</p> $\frac{20}{45} =$ | <p>Add. (Answer is simplest form!)</p> $\frac{3}{10} + \frac{7}{8}$ | <p>Subtract. (Answer in simplest form!)</p> $\begin{array}{r} 7 \frac{3}{7} \\ - 2 \frac{3}{4} \\ \hline \end{array}$ | <p>Add. (Answer in simplest form!)</p> $17\frac{3}{4} + 9\frac{7}{10} =$ |
| <p>Solve.</p> $3 \frac{5}{7} \times \frac{7}{10} =$ | <p>What is $\frac{2}{3}$ OF 27?</p> | <p>Solve.</p> $\frac{7}{8} \times 64 =$ | <p>Solve. (Keep, Change, Flip! That is the action!)</p> $\frac{3}{8} \div \frac{5}{8} =$ |

| | | | |
|--|---|--|--|
| <p>Convert.</p> <p>24 gal. = _____ qt.</p> | <p>Convert.</p> <p>1 mile = _____ ft.</p> | <p>Common Knowledge.</p> <p>What is the decimal and percent for $\frac{1}{3}$?</p> <p>P: _____ D: _____</p> | <p>Common Knowledge.</p> <p>What is the decimal and percent for $\frac{1}{8}$?</p> <p>P: _____ D: _____</p> |
| <p>Which is more: a pint or a quart?</p> | <p>Find the total area.</p>  | <p>Find the perimeter.</p>  | <p>Common Knowledge</p> <p>Write the decimal and percent for $\frac{3}{4}$?</p> <p>P: _____ D: _____</p> |
| <p>What is the median? (median = middle)</p> <p>4, 6, 3, 2, 5, 7, 1</p> | <p>What is the mode? (most often)</p> <p>3, 3, 5, 5, 6, 9, 3</p> | <p>What is the mean? (add and divide)</p> <p>2, 4, 5, 0, 4</p> | <p>If practice starts at 11:30 and lasts 1 hour and 45 minutes. What time will practice end?</p> |
| <p>Classify the triangle by its sides AND angles.</p>  | <p>What does angle a measure?</p>  | <p>Find the volume.</p>  | <p>Find the volume.</p>  |

Tell the ordered pair for the point.
Put parentheses around the two
coordinates.

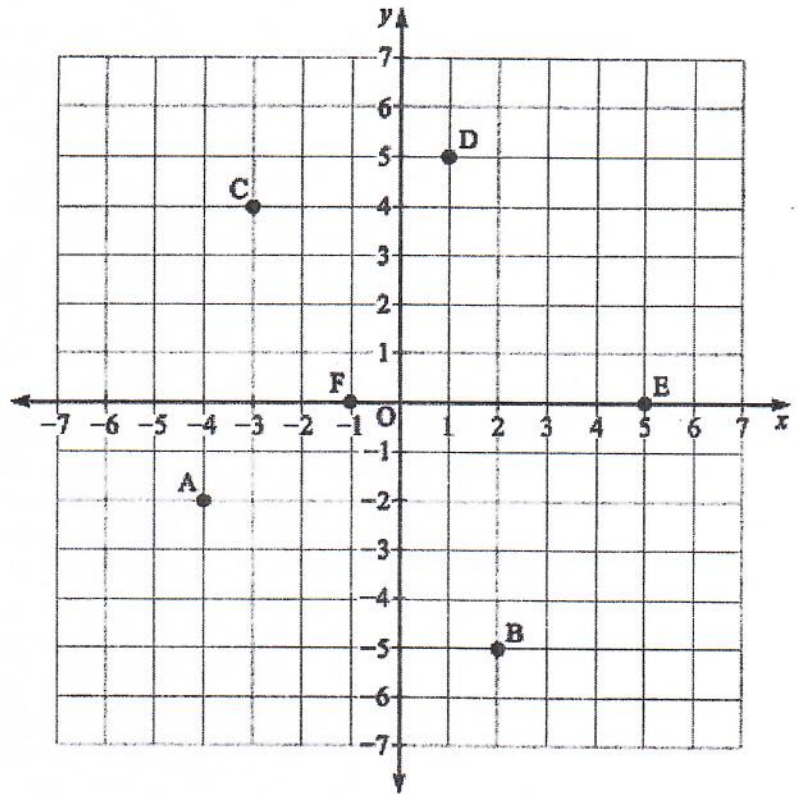
A = _____

B = _____

C = _____

D = _____

Points E and F are located on which
axis?



Complete the saying:

King Henry Died Unexpectedly Drinking _____!

Complete the Golden Rule of Fractions:

What you do to thy top, you do to thy _____!

Thanks for working so hard and sticking with it in math! Keep practicing your math and you
will always be a MATH WIZARD!!!