Pre-Algebra and Pre-Algebra Advanced 2023-24

Dear Parents,

This summer, the math department is requiring 85% mastery on the skills listed below. It needs to be completed by the start of school in August (even if your first Math class is during the second MOD) and will count as your first major class grade.

For summer work, returning students need to log in using Clever. Clever allows our students to have access to all accounts using one sign-in. New students can continue to sign in using the username and password provided during the diagnostic until their Clever accounts for the 23-24 year have been activated.   If the student is not logged in, their work will not be saved. This will keep track of their progress throughout the summer. The skills she will be working on are found under the "7th Grade" objectives. Under analytics your daughter will be able to keep track of her progress.

Sometimes, IXL has updates to their website over the summer. If there is a discrepancy with the numbers not matching the skills, please make sure your daughter completes the skill description below. If there is a change, they can find the new number by searching the codes next to the objective since these codes never change.

Lessons:

• Add, Subtract, Multiply, and divide integers (search B8A)

• Add and subtract fractions (search NGL)

• Add and subtract rational numbers (search GKU)

• Multiply and divide rational numbers (search BXW)

• Evaluate numerical expressions involving integers (search

• Evaluate exponents (search ZDS)

• Unit Rates (search 2NB)

• Solve proportions (search TDA)

• Convert between percents, fractions, and decimals (search 2HW)

• Percents of Numbers: Word problems (search EXE)

• Evaluate multi-variable expressions (search T56)

• Solve two-step equations (search QEB)

• Solve equations involving variables on both sides (search VSW)

• Perimeter (search 7GQ)

• Area of triangles and trapezoids (search ENE)

• Area of circles (search YA8)

• Circumference of circles (search KS7)

• Volume of cubes and prisms (search URT)

• Area of compound figures (search URT)

• Find measures of complementary, supplementary, vertical, and adjacent angles (search CST)

These are the important skills for the beginning of Pre-Algebra.

Thank you,

Middle School Math Department Duchesne Academy of the Sacred Heart