

Shelton Intermediate School

Summer Review Packet

for all students entering

8th Grade Mathematics

Name: _____

The SIS Math department welcomes you to Mathematics 8 for the 2023-2024 school year. We hope that you enjoy a restful, safe summer and are able to spend much needed time with family and friends. We also hope that you set aside some time to practice your math skills so that you return to school well prepared for your next math course at Shelton Intermediate School.

*Good luck and remember the goal of summer work is to keep your math brain working. **THIS MUST BE COMPLETED BY AUGUST 23RD.***

Summer Work Directions:

1) Students must log onto IXL and spend a total of 400 minutes doing IXL this summer. This means students should spend about 20 minutes a day for 20 days and they will complete this assignment. Students do not need to work on consecutive days. IXL does calculate active time working. The completed IXL work will be checked on the second day of class. It will count as a grade in math class.

HOW DO I FIND SKILLS TO WORK ON?

1. Sign in to your child's account: <https://www.ixl.com/signin/sheltonps> or sign in to your child's ixl account through www.clever.com
2. Select "Learning." Click on "Skill Plans."
3. Under your pinned skill plan, select Math (Personal NWEA MAP Growth Study Plan)
4. Complete skills from a variety of domains.

FOR PARENTS - HOW DO I CHECK MY CHILD'S PROGRESS?

1. Sign in to your child's account and select the "Analytics" tab.
2. Select "Scores."
3. Review the list of skills practiced.
4. Encourage your child to keep learning!

FOR PARENTS - HOW DO I CHECK THE AMOUNT OF TIME MY CHILD HAS WORKED?

1. Sign in to your child's account and select the "Analytics" tab
2. Usage will show in a graph and with numbers on the screen.

I CAN'T REMEMBER MY PASSWORD. WHAT CAN I DO?

Students are able to retrieve their password using their email.

Incentives -

Students have the opportunity to earn tickets to win a TI-84 Plus Graphing Calculator by completing **more than 400 minutes**. For each additional 20 minutes spent, you will receive one raffle ticket. The more you practice the greater your chances are of winning!

Below are the RECOMMENDED skills for students entering 8th grade who are new to the district or do not have a personalized IXL Skill Plan. These skills are NOT required. They can be completed in addition to your personalized IXL codes, if you choose to. In the search bar in IXL, type the three character codes to find the skill.

Recommended IXL List -

<u>Skill</u>
6AV - Rate of change: tables
66M - Rate of change: graphs
59J - Unit rate
Y6W - Evaluate numerical expressions involving integers
U7T - Multiply using the distributive property
QFJ - Write equivalent expressions using properties
QCY - Add and subtract linear expressions
BVQ - Which x satisfies the equation
F6R - Write an equation from words
J48 - Identify equivalent equations
5J4 - Solve one-step equations
D7M - Find slope of a graph
6UW - Add and subtract integers
MDA - Multiply and divide integers
Z68 - Add and subtract rational numbers
52P - Multiply and divide rational numbers
HGV - Identify complementary, supplementary, vertical, adjacent, and congruent angles
R2B - Find measures of complementary, supplementary, vertical, and adjacent angles
T6E - Coordinate Plane Review
K77 - Quadrants and axes
CHV - Area and circumference of circles
Q8V - Circles: word problems
JUB - Volume of cubes, prisms, and pyramids
5ZY - Probability of simple events
38C - Make predictions
SRF - Identify independent and dependent events