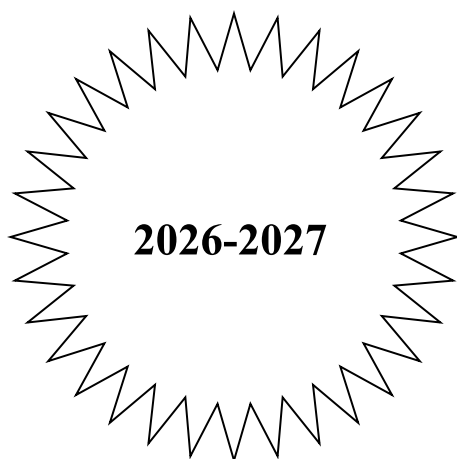


**ROY W. BROWN MIDDLE SCHOOL
BERGENFIELD, NJ**

Math 8

Summer Packet



Name: _____

Bergenfield Public Schools

Roy W. Brown Middle School
130 S. Washington Avenue
201-387-3850

June 2026

Dear Parents and Guardians,

We are excited again to present summer activities that the math teachers of Roy W. Brown Middle School have created. Enclosed are math activities designed to help your son or daughter practice the skills which they have already learned and are critical to success in seventh grade mathematics. As you may be aware, studies have shown that students who do not practice or review during the summer months the material they have already mastered lose some of that mastery. Unfortunately, this then requires the next teacher to spend valuable teaching time reviewing. While certainly not the final answer, this packet of activities is designed to help your son or daughter retain his or her math skills and knowledge.

Like you, we want your child to enjoy a wonderful summer. That is why we have designed activities so that 20 to 30 minutes of work per week should be all that is required. We urge you to encourage your child to take this task seriously and complete it successfully. Together we can make a difference in your child's future. Now is the time to build on the foundation to help your child succeed on future standardized exams such as the NJSLA, and even more importantly, the SAT.

The activities are all web-based through a program called IXL. These activities will reinforce skills that were taught in grade seven. Each activity will provide immediate feedback and a score. This assignment is voluntary and will not be graded, however, students who complete the summer assignment will earn an extra credit quiz grade in first marking period grade. Please read all directions carefully.

We wish you a wonderful and safe summer.

Sincerely,
Dominick Rotante
Principal

Steve Neff
Director of Mathematics

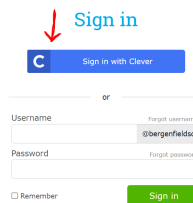
Roy W. Brown Middle School
Mathematics Department
Summer Course Work
For students entering
Math 8

In the following packet are directions for accessing the website, a list of activities to be completed, a guided review of the skills required for the completion of this assignment, and space to show your work.

You can access the IXLs two ways

1. Click on the name of the IXL below in blue, it is a link directly to the assignments.

- Click sign in with Clever.



2. Go to Clever

- Click on IXL 
- On the left side of the screen, select ***eighth grade***.
- Scroll up/down to find the selected IXL activities that you must complete. They are listed below. **(some letters may change without notice. Please follow the skill title)**
- **-EACH IXL IS LINKED BELOW.**

Activities

1. **P.1** - [Identify complementary, supplementary, vertical, adjacent, and congruent angles](#)
2. **P.2** - [Find measures of complementary, supplementary, vertical, and adjacent angles](#)
3. **P.3** - [Write and solve equations using angle relationships](#)
4. **O.1** - [Coordinate Plane Review](#)
5. **O.2** - [Quadrants & Axes](#)
6. **O.3** - [Follow directions on a coordinate plan](#)
7. **G.1** - [Solve Proportions](#)

I. Helpful Hints

- a. Your “SmartScore” is a score that reflects various aspects of performance, including **# of problems completed**, **# of problems correct/incorrect**, and **problem difficulty**. In addition, recent answers are weighted more heavily and consistency (correct answers in a row) is rewarded highly. **A reasonable smart score is 80%.**
- b. Please read explanations when an answer is wrong. This will help refresh your understanding of concepts, and hopefully help with the remaining problems. Some IXLs even have these two help options on the top.

[Learn with an example](#) 

or

[Watch a video](#) 

- c. Please be aware that when you decide to conclude a session by clicking “submit & finish”, you must have an answer in the answer box, otherwise the current question will be marked wrong, lowering your SmartScore.
- d. Remember, the more practice you have with your prior grades’ standards, the more successful you will be in September.

IV. Incentives

This summer packet is **optional**, however completion of the assignments will result in extra credit to be used during the 1st Marking period. To receive extra credit all seven assignments must be completed with a SmartScore of 80 or higher. You will receive an additional quiz grade of 100 in your first marking period grade.