

**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 2023

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 eighth 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. **Calculators are NOT to be used to complete this project.** Please read all directions carefully.

We wish you a wonderful and safe summer.

Sincerely,

Shane Biggins
Principal
Roy W. Brown Middle School

Steven Neff
Supervisor of Mathematics
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.

I. Directions

1. Go to www.ixl.com/signin/bergenfield or you can access IXL through Clever.
2. Log-in in the upper right hand corner using the username and password that you have currently been using for IXL.
3. On the left side of the screen, select ***EIGHTH grade***.
4. Scroll up/down to find the selected IXL activities that you must complete. They are listed below. **The topic categories letter and number, are only a guideline and may change over the summer, make sure you are completing the correct topic! (For example, V.11 Distributive Property may change to S.8 Distributive Property) If needed search for the topic rather than the letter and number.**
5. For the specified sections where showing work is necessary, you must show your work in the appropriate spaces in this packet beginning on page 4.

II. Activities

You must show work for these activities:

- | | |
|--|--|
| 1. X.1 Write Variable Expressions | 4. Y.11 Solve Equations with Like Terms |
| 2. Y.7 One Step Equations | 5. C.3 Add & Subtract Integers |
| 3. Y.8 Two Step Equations | 6. C.7 Multiply & Divide Integers |

III. 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 70%.
- b. Please read explanations when an answer is wrong. This will help refresh your understanding of concepts, and hopefully help with the

remaining problems.

- 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 six assignments must be completed. The scores from each assignment will be averaged together for an overall test score. (If work is not shown points will be deducted).

Example: (IXL Scores: 75, 80, 100, 90, 60, 100; If all work is shown the final score would be an 84 and you would receive 8 extra credit points)

EXTRA CREDIT POINTS

SCORE POINTS

90-100 10 pts

80-89 8 pts

70-79 6 pts

60- 69 4 pts

50 - 59 2 pts

NO POINTS WILL BE GIVEN FOR BELOW A SCORE OF 50

X.1 Write Variable Expressions Show all work in the spaces below. Use as many spaces as you need. There is more room on the back.

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.

Y.7 One Step Equations

Show all work in the spaces below. Use as many spaces as you need. There is more room on the back.

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.

Y.8 Two Step Equations

Show all work in the spaces below. Use as many spaces as you need. There is more room on the back.

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.

Y.11 Solve Equations with Like Terms Show all work in the spaces below. Use as many spaces as you need. There is more room on the back.

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.

C.3 Add & Subtract Integers

Show all work in the spaces below. Use as many spaces as you need. There is more room on the back.

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.

C.7 Multiply and Divide Integers

Show all work in the spaces below. Use as many spaces as you need. There is more room on the back.

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
11.	12.	13.	14.	15.
16.	17.	18.	19.	20.