



## 2019 Summer Math Assignment

Dear Blessed Sacrament Rising 8<sup>th</sup> Grader,

Summer is upon us again. Studies show that children need reinforcement of learned skills over the summer. We are pleased to tell you that part of your summer learning math assignment will include IXL. IXL is a comprehensive learning program offering unlimited math and language arts practice problems in thousands of skills.

Attached is a list of 25 sections of [ixl.com](https://www.ixl.com) to practice. You may work at your own pace, but the preferred method is to practice each day for about 10 minutes each day. You will not be given full credit unless you practice math MOST weeks of the summer. There is no need to keep a paper record of your [ixl.com](https://www.ixl.com) practice. In order to track your summer progress, Smart Scores will be reset on Monday, June 17<sup>th</sup> for your grade level only. Only the Smart Scores will be reset. You will not lose access to any progress you have made.

This assignment will be your first graded math assignment for the 2018-2019 school year. It will count as a test grade. Each section of [ixl](https://www.ixl.com) you complete is worth 4 points towards your test grade as long as the practice is spread out throughout most of the summer. If for any reason, you are unable to complete this assignment due to summer plans, you MUST have a parent communicate this to your math teacher before the end of the school year. An alternate assignment will be given.

[ixl.com](https://www.ixl.com) Log In reminders:

1. Go to <https://www.IXL.com>
2. Enter your username and password (sent home with students) in the upper right corner and click the button to sign in.
3. Click on the name of the subject you want to work on at the top of the page and navigate to your grade level.
4. Select a specific skill to practice from the list of skills. The search feature can help you find the topics.

I hope you will use IXL regularly this summer and I look forward to seeing you in the fall!

Sincerely,  
Blessed Sacrament Middle School Math Teachers

Chris Kelly, Keith MacKinnon, Aileen Shaffer

## Blessed Sacrament 2019 Summer Math Assignment for Rising 8<sup>th</sup>

### This page lists REQUIRED Math ixl.com Sections

*Complete the following ixl.com sections with a Smartscore of 80 or higher.*

*Plan to work 10 minutes each day. All sections are 7<sup>th</sup> grade sections.*

- Add, subtract, multiply, and divide decimals: word problems
- Understanding fractions: word problems
- Add and subtract fractions: word problems
- Add and subtract mixed numbers: word problems
- Multiply fractions and mixed numbers: word problems
- Divide fractions and mixed numbers: word problems
- Add, subtract, multiply, and divide fractions and mixed numbers: word problems
- Equivalent ratios: word problems
- Unit rates
- Scale drawings: word problems
- Do the ratios form a proportion: word problems
- Solve proportions: word problems
- Percents of numbers: word problems
- Solve percent equations: word problems
- Add, subtract, multiply, and divide money amounts: word problems
- Convert between customary and metric systems
- Write variable expressions: word problems
- Evaluate linear expressions
- Identify terms and coefficients
- Multiply using the distributive property
- Add and subtract like terms
- Add, subtract, and multiply linear expressions
- Solve one-step equations
- Solve two-step equations
- Solve two-step inequalities

## **More Suggested Math ixl.com Sections**

**All sections are 7<sup>th</sup> grade sections**

Add and subtract integers	Multiply and divide integers
Evaluate numerical expressions involving integers	Multiply decimals
Divide decimals	Evaluate numerical expressions involving decimals
Add and subtract mixed numbers	Multiply mixed numbers
Divide mixed numbers	Evaluate numerical expressions involving fractions
Convert between decimals and fractions or mixed numbers	Multiply and divide rational numbers
Estimate square roots	Unit rates
	Solve proportions
Find the constant of proportionality from a table	Write equations for proportional relationships from tables
Identify proportional relationships by graphing	Identify proportional relationships
Convert between percents, fractions, and decimals	Solve percent equations
Unit prices	Percent of change word problems
Find the percent: tax, discount, and more	Compare and convert customary units
Mixed customary units	Convert between customary and metric systems
Write variable expressions	Write variable expressions: word problems
Evaluate linear expressions	Sort factors of expressions
Properties of addition and multiplication	Multiply using the distributive property
Add and subtract like terms	Add, subtract, and multiply linear expressions
Solve one-step equations	Solve two-step equations
Does (x, y) satisfy the equation?	Complete a table for a two-variable relationship
Find measures of complementary, supplementary, vertical, and adjacent angles	Transversal of parallel lines
Pythagorean theorem: find the length of the hypotenuse	Pythagorean theorem: find the missing leg length
Converse of the Pythagorean theorem: is it a right triangle?	Area of rectangles and parallelograms
Area of triangles and trapezoids	Area and perimeter: word problems
Circles: calculate area, circumference, radius, and diameter	Volume of cubes and prisms
Probability of opposite, mutually exclusive, and overlapping events	Calculate mean, median, mode, and range

**Blessed Sacrament 2019 Summer Language Arts Assignment for  
Rising 8<sup>th</sup> Graders**

**Language Arts ixl.com Skills**

*Complete the following ixl.com skills with a Smartscore of 80 or higher. Plan to work for an average of 10 minutes each day. All skills are located in 7<sup>th</sup> grade sections.*

- 7. Identify complete subjects and predicates
- 7. Identify simple subjects and predicates
- 7. Identify compound subjects and predicates
- 7. Is it a phrase or a clause?
- 7. Is it a direct or indirect object?
- 7. Is it a complete sentence, run-on, or fragment?
- 7. Identify prepositional phrases
- 7. Form the singular or plural possessive noun
- 7. Choose between subject and object pronouns
- 7. Compound subjects and objects with I vs me
- 7. Identify transitive vs intransitive verbs
- 7. Correct errors with subject/verb agreement
- 7. Form the progressive verb tense
- 7. Form the perfect verb tense
- 7. Identify adjectives
- 7. Identify adverbs
- 7. Adverbs vs Adjectives
- 7. Good, better, worse etc.
- 7. Well, better, best, badly etc.
- 7. Commas in series, dates, and places
- 7. Commas (Do the REVIEW section.)
- 7. Semi-colons and commas
- 7. Correct capitalization errors
- 7. Capitalize titles.
- 7. Identify plagiarism

**More Suggested Language Arts ixl.com Sections  
for HSPT Preparation ON BACK**

**All skills are found in 7<sup>th</sup> grade sections.**

## **READING**

- 7. Distinguish fact from opinion**
- 7. Identify evidence**
- 7. Identify details in non-fiction**
- 7. Identify details in literature**
- 7. Determine main idea**
- 7. Identify author's purpose**
- 7. Match cause with effect**
- 7. Match problems with solutions**
- 7. Identify text structures**
- 7. Read and understand informational passages**

## **VOCABULARY**

- 7. Prefixes and suffixes**
- 7. Greek and Latin roots**
- 7. Context clues**
- 7. Vocabulary review: short stories**
- 7. Vocabulary review: informational passages**
- 7. Vocabulary review: trace an argument**

## **LANGUAGE SKILLS**

- 7. Common errors**