



MATH



June 2018

Dear Parents/Guardians,

Summer is a time to for family and fun, but it's also a time to LEARN! We designed the Math Summer Boot Camp packet to guide your family to the key topics and resources for each grade level and to help you and your child explore mathematics in the world around them in fun and engaging ways. Please look for a link to this resource on the district website under the "Summer Learning" tab or go to:
https://district.franklinlakes.k12.nj.us/apps/pages/summer_learning.

Happy Learning!
The Franklin Lakes Math Committee

Please fill out the following sheet and return with your child in September.

Student: _____

Grade Level (September 2018): _____

This summer we worked on the following math topics together:

**please check off your child's progress in each skill so his/her teacher can continue to support this work in the new school year.*

Topic/Skill	Still may need some help	Almost there	Got it!

Many math links referenced in the Math Summer Boot Camp can be found on the FLPS homepage under the “Students” tab:



Website Login Information

Resource	Username	Password
IXL	1580xyyyyy (first initial and first 5 letters of your last name)	1580xyyyyy *students may have changed their passwords on their own
BrainPOP (Jr.)	CRS: colonial123	123mybp
	WAS: woodside123	123mybp
	HMR: highmountain123	123mybp
XtraMath	*Parents can create a FREE account for their child if they do not currently have one	

Students Entering Grade 6



Whole Number Operations

- Addition and Subtraction: IXL grade 5 skills: B.1 - B.7
- Multiplication: IXL grade 5 skills: C.3 - C.5, C10, C13- C23
- Division: IXL grade 5 skills: D.6 - D.8, D.11 - D.15

Fraction Operations

- Addition and Subtraction: IXL grade 5 skills: L.1 - L.13, L.18 - L.21
- Multiplication: IXL grade 5 skills: M1 - M.21, M.23 - M.25, M.27, M.28
- Division: IXL grade 5 skills: N1 - N12

Decimal Operations

- Addition and Subtraction: IXL grade 5 skills: H.1 - H.7
- Multiplication: IXL grade 5 skills: I.2.-I.9
- Division: IXL grade 5 skills: J.1 - J.5

Estimation/Conversions

- IXL grade 5 skills: B.8 and B.9, D.9 and D.10, H.9, I.1, L.17, M.22
- [Fraction/Decimal/Percents Game](#)

Reference Sheets

- [MULTIPLICATION of Whole Numbers, Fractions, and Decimals](#)
- [MULTIPLICATION with Mixed Numbers](#)
- [MULTIPLICATION with Fractions and Mixed Numbers](#)
- [DIVISION of Whole Numbers, Fractions, and Decimals](#)
- *Chapter Study Guides are located in your Math Google Classroom*

Students Entering Grade 7



Order of Operations

- [Instruction on Order of Operations \(PEMDAS\)](#)
- [Basic practice](#)
- [Choose difficulty level](#)
- [Parentheses and exponents included](#)
- [Worksheets \(choose practice pages based on given descriptions\)](#)

Fraction Operations

- [Instruction on Addition and Subtraction of Fractions](#)
- [Instruction on Multiplying Fractions](#)
- [Instruction on Division of Fractions](#)
- [Word problems- addition and subtraction](#)
- [Notes and Practice problems- multiplication and division](#)
- [Word problems- division](#)

Decimal Operations

- [Instruction on Decimal Operations](#)
- [Practice adding/subtracting decimals](#)
- [Practice multiplying decimals](#)
- [Practice dividing decimals Part I](#)
- [Practice dividing decimals Part II](#)
- [Addition/Subtraction of decimals worksheets](#)

Students Entering Grade 8



Integer Operations

- Video: [Math Antics - Adding & Subtracting Integers - YouTube](#)
- Video: [Math Antics - Integer Multiplication & Division - YouTube](#)
- Practice: <https://www.math-drills.com/integers.php>

Solving Equations

- Video: [Algebra Basics: Solving Basic Equations Part 1 - Math Antics - YouTube](#)
- Video: [Algebra Basics: Solving Basic Equations Part 2 - Math Antics - YouTube](#)
- Practice: [Solve One-Step Linear Equations - Grade 7 - Practice with Math Games](#)
- Video: [Algebra Basics: Solving Two-Step Equations](#)
- Practice: IXL grade 7 skills: s.5-s.9
- Practice: [Solve Two-Step Linear Equations - Grade 7 - Practice with Math Games](#)
- Practice: [Math Mobiles](#)

Proportional Relationships

- Video: [Ratios and Rates - Math Antics - YouTube](#)
- Video: [Proportions - Math Antics - YouTube](#)
- Practice: IXL grade 7 skills: J.1-J.12

Circles

- Video: [Circles: What is Pi? - Math Antics - YouTube](#)
- Video: [Circles, Circumference, and Area - Math Antics- YouTube](#)
- Practice: IXL grade 7 skills: AA.5-AA.6

*****Students invited into the Honors Algebra or Geometry course will be mailed home information regarding summer work.**