

Christian Brothers Academy - Recommended Summer Math Work for 5th/6th grade

Summer is a great time to brush up on your son's math skills using IXL. Spending 15 to 30 minutes a day during our school vacation can make a huge difference in stopping the summer "brain drain". [Ixl.com](https://www.ixl.com) is an online program that our students have been using this year, and it has a diagnostic program to pinpoint individual areas of weakness. Additionally listed below are our recommendations of topics with a goal of reaching 90% mastery to lead to higher levels of success for next year. Students from 2021-2022 already have an account; please contact Mrs. Leak at <mailto:leak@cbaalbany.org> for help logging in.

To those students that are new to CBA, WELCOME! We are so excited to meet you in September. At this time, your IXL account has not been created. However, listed below are the topics in which your son may work on to be ready for the start of the 2022-2023 school year. Khan Academy is a great free resource to use for videos on these topics. Picking up a workbook or googling free worksheets on specific topics are great options as well.

Knowing your multiplication facts is **CRUCIAL** at every level. It allows the student to focus on learning the process instead of worrying about how to multiply.

Incoming 5th: (all students going into 5th grade)

4th Grade IXL Level with no calculators: A.1-11; B.1-4; C.1-4; D.1-5; E.1-7

- Place Value with Whole Numbers
- Convert Numbers from words to numbers
- Adding Numbers with multiple digits
- Subtracting with Regrouping
- Mastery of Multiplication Facts up to 12
- Dividing with one digit divisors

Incoming 6th: (all students going into 6th grade)

4th Grade IXL Level with no calculators: D.1-5

5th Grade IXL Level with no calculators: A.1-5; D.1, 11, 12; G.3, 4; H.1-3; I.8, 9; J.3, 6, 12; K.4-7, 11; L.3-8, 10-13; M.11, 20, 21, 33, 34; N.8-10; O.5-7,9

- Convert between standard and expanded form
- Place Value with Decimals
- Compare numbers up to billions
- Writing numbers in words
- Division Facts to 12
- Divide with two digit divisors
- Add, Subtract, Multiply, and Divide Decimals
- Add, Subtract, Multiply, and Divide Fractions
- Order of Operations
- Numerical Expressions