



## Fast Facts

- Dyscalculia is a lifelong condition that makes it hard for kids to perform math-related tasks
- On average, 6% of students in the United States struggle with some form of Dyscalculia
- Affects 15% of the U.S. population
- Dyscalculia affects boys and girls equally
- 40% of Dyslexics also have Dyscalculia
- Those with ADHD, Executive Functioning issues, and Math Anxiety are more likely to have / experience dyscalculia
- Those who have Dyscalculia have above average intelligence

### What is Dyscalculia?

Dyscalculia is a Common Math Disability

3-10% of Students are Dyscalculic

#### Potential Challenges

- Sense of Number Quantity
- Speed of Number Processing
- Difficulty with Sequencing and Memory for Procedures
- Math Facts Memory

#### Potential Strengths

- Good Math Problem Solving
- Strong Spatial Ability
- Pattern Recognition
- Real World Math Applications

**Other Factors Affecting Math:**

- Dyslexia
- Visual / Visual Spatial Difficulties
- Language Disability English Language Learners
- Working Memory Limitations
- Dysgraphia
- Reversals, Substitutions

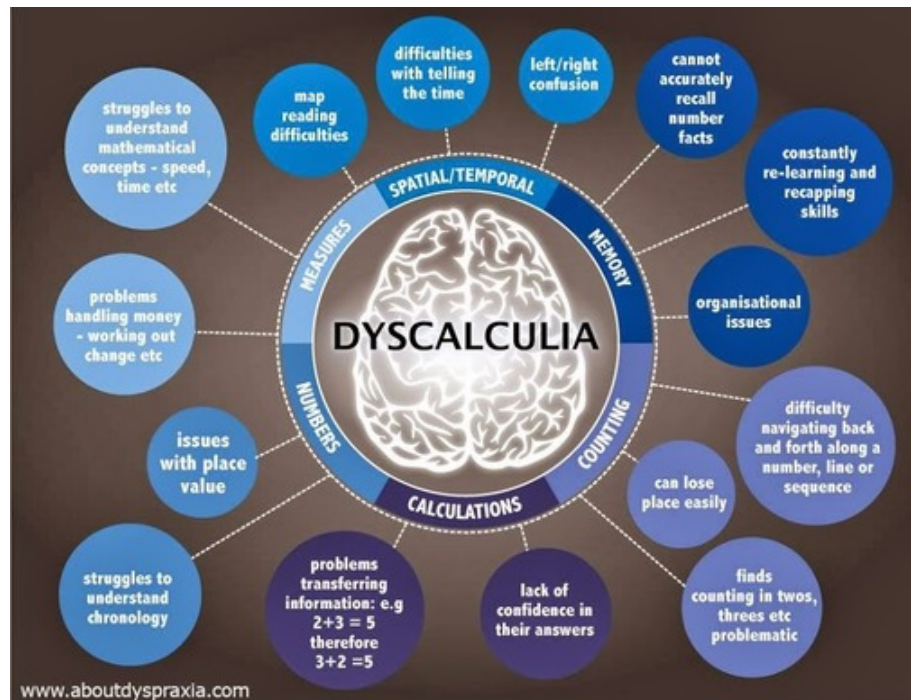
Almost 1/3 of Dyslexic Students Are Dyscalculic

### Dyscalculia-Friendly Classrooms

- Encouragement
- Teach the Big Picture
- Talk Things Over
- Manipulatives
- Diagram and Solve Problems Different Ways
- Allow Extra Time
- Use a Calculator
- Color Code
- Break information into steps
- Open Book Formula Card
- Work on Graph Paper

For more free resources, visit [Community.DyslexicAdvantage.org](http://Community.DyslexicAdvantage.org)

Dyslexic Advantage is a 501(c)(3) non-profit charitable organization



## Did You Know?

- There are two types of Dyscalculia
  - Developmental (genetics, environment)
  - Acquired (brain injury)
- Signs of Dyscalculia in elementary school include:
  - Difficulty learning and recalling basic math facts, such as  $2 + 4 = 6$ .
  - Struggle to identify +, - and other signs, and to use them correctly.
  - May still use fingers to count instead of using more advanced strategies, like mental math.
  - Struggle to understand words related to math, such as *greater than* and *less than*.
  - Has trouble with visual-spatial representations of numbers, such as number lines.

## Celebrities with Dyscalculia

- Hans Christian Anderson (Writer)
- Cher (Musician; Actress)
- Thomas Edison (Inventor)
- Benjamin Franklin (Inventor/Scientist)
- Bill Gates (Computer Scientist/ Entrepreneur)
- Mary Tyler Moore (Actress, Writer)