



# Math Support at Home

A parent's guide to unlocking the Common Core State Standards and Math!



- 0 Glean a brief introduction and understanding of the common core state standards for mathematics.
- 0 Learn how to support your child's mathematics education at home

# What are the Common Core State Standards?

- 0 Content standards have not changed much
- 0 The scope for teaching math in schools has shifted
- 0 Focus moved from memorization in math to conceptual understanding
- 0 Heavy importance is placed on the eight mathematical practices from kindergarten through high school.

# Mathematical Practice Standards

1. Make sense of the problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

# Common Core Standards Explained...in three minutes



# What does it mean for your child?

- 0 Fewer concepts taught each year
- 0 Speed is no longer valued in solving math problems
- 0 Conceptual understanding is placed at the core of math instruction.



# Math Curriculum Support

For K-2

- <https://www-k6.thinkcentral.com>

For 3-5

- <https://www.pearsonrealize.com/#/>

# How do I support my child at home?

- 0 As always, DON'T provide answers; DO ask questions **such as** “how do you know your answer makes sense,” or “what information do you have to find the answer”
- 0 Look for everyday opportunities to have your child do mathematics. **For example**, if you open a carton of eggs and take out five, ask them to find out how many are left.



- 0 Have your child create story problems and make it a fun game to play. **For example**, if you have two apples, ask him or her to create a story problem where the answer is two apples.
- 0 Encourage your child to stick with a problem even if the problem seems difficult.
- 0 Praise your child when he or she has made an effort or solved a problem correctly. Share in the excitement over new discoveries.
- 0 Play math games with your child, **for example**, “I am thinking of a number. When I add five to it, I get eleven. What number am I thinking?”

# Most importantly...

- 0 Show your enthusiasm for your child's study of mathematics
- 0 Encourage your child to be persistent; make sure that he or she knows that mathematics requires patience, practice, and time to think and reflect.
- 0 Urge your child to ask the teacher questions either during or after class.
- 0 Don't be afraid to reach out to your child's teacher-ask questions!

# Questions?

