

WSE 3rd Grade Math

Mrs. Hatfield + Ms. Schewitz

In 3rd grade, students will learn to fluently multiply and divide using 0–12. They practice more complex computation using all four basic operations: addition, subtraction, multiplication, and division. They also often solve equations that require multiple steps and must be completed in a specific order – for example, solving equations in parentheses first. 3rd grade math also emphasizes real-life situations to help students strengthen their skills and solve problems that occur in their own lives. To do this, it often uses real-life objects and math tools like rulers and visuals to teach new concepts. As in previous grades, 3rd graders are often asked to explain how they solve problems to ensure that they truly understand the underlying concepts.

This upcoming year your 3rd grader will:

- Use addition, subtraction, multiplication, and division to solve word problems.
- Multiply using 0–12
- Use knowledge of multiplication facts to divide or use the distributive property to break apart numbers and solve equations
- Tell time to the nearest minute
- Solve word problems to find elapsed time, start times, and end times
- Measure weight and liquid volumes in metric units (grams, kilograms, liters, milliliters)
- Round numbers to nearest ten and hundred using vertical number line
- Addition and subtraction with three-digit numbers
- Multiplying with multiples of 10~ 10, 20, 30, ..., 100, 200...
- Find area of objects using square units and side lengths
- Partition wholes into equal parts
- Comparison and order of fractions
- Read data on bar graphs, line graphs, pictographs, and stem and leaf plots
- Generate and organize data on bar graphs, line graphs, pictographs, and stem and leaf plots
- Measure to the nearest $\frac{1}{4}$ inch
- Compare and organize measurements written in quarter inches
- Solve multi-step word problems using addition, subtraction, multiplication, and division
- Solve word problems involving money in which you must determine amount of change received
- Identify names of two-dimensional shapes based on given attributes
- Problem solving with perimeter and area

Eureka Math – 7 Modules

Over the last few years Memphis Shelby County Schools has utilized the Eureka Math Curriculum. However, in the 2023-2024 school year a new math curriculum will be introduced. When we get more information we will share it with you, in the meantime feel free to take a look at how the curriculum has been structured in previous years.

Module 1 – Properties of Multiplication and Division with Units 2-5 and 10

Module 2 – Problem Solving with Units of Measure~ weighing, rounding, telling time

Module 3 – Multiplication and Division with Units 0, 1, 6-9 and Multiples of 10 (ex. 20, 50)

Module 4 – Multiplication and Area

Module 5 – Fractions

Module 6 – Collecting and Displaying Data

Module 7-Geometry and Measurement Word Problems (measure nearest $\frac{1}{4}$ inch, attributes of shapes, area and perimeter)

Summer Math Activities: We want your summer work to be meaningful and meet the needs of each individual child. Therefore, there is not a packet of random skills. Instead, identify and choose activities that will best benefit your child and better prepare him/her for 3rd grade math. The following skills range in order of importance based on what students should know when they **enter** 3rd. Once you observe that your child has mastered one skill then move on to the next skill.

1. Practice addition and subtraction facts and become fluent; these should be memorized not counting on fingers
2. Practice adding numbers with 3 digits with and without regrouping (should be mastered)
2. Practice subtracting numbers with 3 digits with and without regrouping including subtracting across zeros (should be mastered)
3. Tell time to the nearest minute (should be mastered)~most students struggle when the time is nearing a new hour such as 12:55, they often think it is 1:55 instead.
4. Practice multiplication facts, 0 – 12, to become fluent (this will be a main focus in 3rd grade). I recommend memorization with flash cards, not skip counting or other tricks. I will teach the concept and strategies in class.

Resources for summer work:

- **Commoncoresheets.com** provides the above skills with differentiated levels of difficulty. You can choose the versions you want to print and it provides an answer sheet to check their work. Got to this site and then click on the focus skill: addition, subtraction, time
- **Zearn** (zearn.org) do 2nd grade for reinforcement or 3rd grade for enrichment
- **I-Ready Math** (clever.com)
- **Brainpopjr** (clever.com) provides videos to support these skills. They can get to Brainpopjr through Clever. The following are videos I recommend to help with the summer skills to practice on. These are just a few. There are many more to choose from.

- ☒ Comparing Numbers
- ☒ Even and Odd
- ☒ Place Value
- ☒ Patterns
- ☒ Adding with regrouping
- ☒ Subtracting with regrouping
- ☒ Doubles
- ☒ Making 10
- ☒ Parts of a clock
- ☒ Time to the Hour
- ☒ Time to the minute
- ☒ ALL of the videos under the "Money" category

Please reach out to me with any questions you may have regarding the upcoming year. You can reach us at Hatfieldml@scsk12.org or schewitzk@scsk12.org

We look forward to meeting and working with each of you in the upcoming year!

Mrs. Hatfield and Ms. Schewitz