

Things Students Should Know In Math Before Entering Third Grade:

1) Addition and Subtraction Facts

- Add in any order
Example: $4 + 6 = 10$ or $6 + 4 = 10$
- Add Double Facts
Example: $8 + 8 = 16$
- Use Double Facts to Add
Example: $7 + 7 = 14$ or $7 + 8 = 15$
- Make Ten to Add
Example: $8 + 4 = 12$
Think: $8 + 4$ is the same as $10 + 2$
- Add three numbers
Example: $8 + 2 + 7 = 17$
- Use Addition to Subtract
Example: $8 + 4 = \underline{\quad}$
 $12 - 4 = \underline{\quad}$
- Subtract From Numbers to 20
- Write a Number Sentence

2) Numbers and Patterns to 100

- Tens to 100
Example: 6 tens = 60
- Tens and Ones to 100
Example: 7 tens and 4 ones = 74
- Identify Place Value (tens & ones place)
Example: 85 which place is the eight in? Answer: tens place
- Even and Odd Numbers to 100
- Number patterns (count by 2s, 3s, 5s, etc.)
- Compare Two-Digit Numbers using $<$, $>$
- Order Two-Digit Numbers
- Round to the Nearest Ten

3) Data and Graphing

- Make a Tally Chart
- Compare Data in Tables
- Read a Pictograph (uses pictures to show information)
- Read a Bar Graph
- Make a Bar Graph

4) Money

- Dollars, Quarters, Dimes, Nickels, and Pennies (you should be able to count these bills/coins and know how much each one is worth)

- Compare money amounts
- Use Money
- Use Coins to Show an Amount
- Make Change

5) Adding Two-Digit Numbers

- Add/Regroup One-Digit and Two-Digit Numbers
- Estimate Sums
- Horizontal Addition
- Add Money

6) Subtracting Two-Digit Numbers

- Subtract/Regroup One-Digit and Two-Digit Numbers
- Estimate Differences
- Horizontal Subtraction
- Subtract Money

7) Geometry

- Plane shapes (triangle, square, rectangle, and circle, come in different sizes)
- Sides and Vertices
- Solid Shapes
- Congruent Shapes (congruent shapes have the same shape and size)
- Symmetry (shapes with a line of symmetry have equal parts)

*Your child will need to know their basic math facts for addition and subtraction. They will be tested throughout the school year. **THIS IS VERY IMPORTANT.**

**It would be a good idea for your child to start practicing multiplication before entering third grade. This will give your child a great start. He or she should know their 2, 5, & 10 multiplication facts. We will start multiplication on the first week of school. Multiplication and Division tests are timed (four minutes for 100 problems).