



Summer Mathematics Activities to Do at Home Incoming Grade 5

Number Sense - Operations in Base 10

- Make up numbers, roll numbers with dice, or find numbers (on labels) and compare them
- Make numbers and tell which place value (and/or value) each digit represents
- Collect objects (i.e. Cheerios) and estimate how many
- Draw pictures and make models of numbers
- Practice addition and subtraction facts

Operations and Algebraic Thinking

- Practice multiplication and division facts
- Solve word problems using multiplication and division. For example, Callie wants to buy 20 apples that cost \$.19 each. What is the total cost of her purchase? Michael has 332 quarters. He wants to put them into groups of 4. How many groups will he make?
- Make up numbers, roll numbers with dice, or find numbers (on labels) and compare them
- Find numbers and write them in expanded form
- Make numbers and tell which place value (and/or value) each digit represents
- Place large numbers on a number line
- Collect objects (i.e. Cheerios) and estimate how many
- Relate dimes to tenths and pennies to hundredths and make up decimals using dimes and pennies
- Identify decimals in a newspaper
- Use a menu to compare money
- Practice adding values of multiple items on a menu
- Roll a dice to make decimal numbers and compare them
- Find numbers and write them in expanded form
- Collect objects (i.e. Cheerios) and estimate how many

Measurement

- Use measuring cups when baking or cooking
- Compare items by length or weight
- Practice scheduling events to determine elapsed time
- Use string to measure wrist, neck, and waist and make comparisons
- Read an analog clock throughout the day
- Take an object and estimate the weight then use a scale to determine the exact weight, and compare the two amounts
- Explore the area and volume of a cereal box

Number and Operations - Fractions

- Draw shapes and divide into different fractions
- Create numbers to use in fractions
- Use measuring cups when baking or cooking
- Pick numbers to create fractions-Practice simplifying them
- Draw different shapes. Divide them into different fractions
- Create numbers to use in fractions. Draw these fractions as parts of a whole or set

Geometry

- Identify real world angles as acute, right, or obtuse
- Draw shapes. Identify their angles as obtuse, acute, and right angles
- Draw pictures with intersecting lines, perpendicular lines, and parallel lines
- Identify, describe, and classify different household objects as two-dimensional figures
- Name three-dimensional figures and find examples at home
- Draw pictures with intersecting lines, perpendicular lines, and parallel lines
- Use tangrams to make two-dimensional figures

Suggested Websites:

<http://www.multiplication.com/games>

This website has arcade style practice for basic math operations including +, -, x and ÷. Great for fact fluency!

<https://www.khanacademy.org/math>

This website can be used to learn, practice, or review math concepts by grade through video clips and questions.

<https://www.prodigygame.com/Play/>

This website practices math in an anime style. An initial assessment will determine which skills need practice and which skills are mastered. The program will individualize practice problems and level students based on their success.

<https://www.ixl.com/math/>

On IXL, math is more than just numbers. With unlimited questions, engaging item types, and real-world scenarios, IXL helps learners experience math at its most mesmerizing!

<https://www.aaamath.com/>

AAA Math features a comprehensive set of thousands of interactive arithmetic lessons.