



Summer Mathematics Activities to Do at Home Incoming Grade 2

Number Sense

- Count objects such as jellybeans in a bowl, pennies in a jar, cheerios in a baggie, etc.
- Find numbers in newspapers, magazines, or on items around the house.
- Practice counting with your student while doing various activities-driving in the car, jumping rope, waiting in line at a store, etc.
- Practice adding and subtracting numbers from a set using household items such as pennies, paperclips, etc.

Operations and Algebraic Thinking

- Divide a deck of cards evenly between players. Each player flips over a card, the player with the highest card wins the cards. Continue until one player has all cards in the deck.
- Put different items into groups and talk about which group has more or less items using the terms greater than and less than.
- Roll dice and create numbers. Say what is 10 more or 10 less than that number.

Geometry

- Go on a shape hunt outside, ask your student to name the shapes of doors, windows, bicycle wheels, etc.
- Ask your child to identify the shapes of various road signs while traveling in the car.
- Talk with your child about the various shapes of items packaged in the grocery store.
- Build with blocks. Discuss what shapes were used to create the structure.

Measurement

- Measure the length of various items around the house using different objects (crayons, pennies, etc.)

- Keep track of your child's growth each month by measuring his/her height using standard and non-standard units of measurement.
- Use an analog clock to show the time to the hour and half-hour.
- Show your child the time on an analog clock and have them write what the time would look like on a digital clock.
- Talk with your child about specific times that activities occur- eating breakfast, going to school, dinner time, bed time, etc.
- Talk about graphs in newspapers and magazines
- Take a family survey and make a graph based on the data
- Use toothpicks or popsicle sticks to show tally marks
- Create a bar graph based on the amount of time your child reads, plays outside, or watches television
- Create a pictograph to show the number of hours of sleep or exercise your family gets each day

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.