MATH HELP AT HOME

Counting and Cardinality

- Write numbers 1-20 - use crayons, markers, sand, chalk, or paint.
- Have your child line up his or her stuffed animals (up to ten) and count to see how many there are total.
- Practice orally counting up to 30 in the car or while waiting in line at the grocery store, doctor's office, etc.

Measurement and Data

- Sort legos by color, size, or length.
- Pick a new thing in your child's room and describe it's weight and size (heavy, light, large, small, etc.)
- Compare an object's weight, length, and size to another (try fruit!).



Geometry

- Choose a shape each day and see how many times your child can find that shape in a day.
- Go on a shape scavenger hunt while taking a walk.
- Use chalk to draw circles, squares, triangles, and hexagons.
- Make a painting using only triangles.
- Use popsicle sticks to make different shapes.

Pre-K

MATH HELP AT HOME

Counting and Cardinality

- Have your child compare the number of books or toys in his or her room using math language (greater than, less than, or equal to) to discuss.
- Write a number (on paper, in the sand, in shaving cream, or play-doh) then ask your child to write a number that is larger or smaller than that number.

Measurement and Data

- Ask questions like, "Is this short or long?" "heavy or light?"
- Let your child sort coins then count how many of each they have.
- Have your child help sort the laundry.
- Ask your child to organize the spoons, forks, and knives before they go back into the drawer from the dishwasher.



Geometry

- Choose a shape each day and see how many times your child can find that shape in a day.
- Go on a shape scavenger hunt while taking a walk.
- Make this fun art project to discuss the differences between 2D and 3D shapes.
- Build 3D shapes using Play-Doh and cut 2D shapes out of paper.
- Complete this guided drawing video together.
- Build a block tower together and discuss the different 3D shapes. CHALLENGE: build a tower using only one kind of shape.

Kindergarten

MATH HELP AT HOME

Measurement and Data

- Count change.
- Teach your child how to use a ruler. For now, just to the nearest inch.
- Measure things around the house using anything but a ruler. (books, shoes, tape)
- Have your child order three things at a time from shortest to longest.

Numbers and Operations in Base Ten

- Start each day with a different number and count to 120.
- Draw a hop-scotch, but use 10s instead of 1s.
- Practice writing any number from 1-120 in as many ways as possible. Some examples include shaving cream, play-doh, sand, expo markers, & chalk.

Operations and Algebraic Thinking

- Use dominos to make addition and subtraction problems.
- Play "addition war" by splitting a deck of cards in half (take out the jacks, queens, kings, and aces) and then each of you flip over a card, whoever adds both cards correctly keeps the stack. The winner is the person who has the most cards.
- Each of you roll a dice, the person with the highest value, adds the two. If they get it correct, they get a point. The person with the most points wins.
- Practice coming up with addition and subtraction stories.



1st Grade

MATH HELP AT HOME

Number and Operations in Base Ten

- Count change.
- Teach your child how to use a ruler. For now, just to the nearest inch.
- Measure things around the house using anything but a ruler. (books, shoes, tape)
- Have your child order three things at a time from shortest to longest.

Operations and Algebraic Thinking

- Practice coming up with addition and subtraction stories using numbers 1-100.
- Use objects around the house to make up two-step word problems. Let your child use the items to solve the problems.

Geometry

- Watch this video and create some shape art together!
- Go on a shape scavenger hunt and count how many times you see triangles, quadrilaterals, pentagons, hexagons, and cubes.
- Get some origami paper and make this fox. Have a discussion about equal parts.
- When you order pizza, let your child count the pieces and discuss how they could have cut the pizza differently. Some questions might include: If we cut this differently, would we have more pizza? How else could we cut the pizza? What shape is each piece? What shape is the entire pizza?



2nd Grade

MATH HELP AT HOME

Measurement and Data

- Figure out the area of a square room in your house. Teach your child how to measure to the nearest foot first.
- Get some graph paper and sketch a dream house. Be creative! Count the area of every dream room (trampoline rooms and movie theaters are encouraged!)

Number and Operations in Base Ten

- Use a deck of cards to build two 3 digit numbers. Practice adding the numbers, then subtracting them.
- Let your child figure out how much change you'll get if you pay with dollar bills ($20, $10, $5)
- Go skipping with your child and count by 10s as you skip

Operations and Algebraic Thinking

- Hop counting: each time you hop, count by a different multiple (ex. 3, 6, 9, 12, 15) until the tenth multiple.
- Create division word stories using family members' names and see if your child can teach you how to solve.
- Have your child create their own flash cards. Choose a different color of construction paper for each multiple. Check that the facts are correct then practice!
- Call out multiplication and division facts while you wait for the bus in the morning or in car rider line.



3rd Grade

MATH HELP AT HOME

Operations and Algebraic Thinking

- Practice finding mathematical patterns in everyday life.
- Create multi-step word problems and let your child teach you how to solve the problem.
- Let your child tell the first ten multiples of each of the numbers 1-9 (4, 8, 12, 16, 20, 24, 28, 32, 36, 40) See if they can do this faster each night for a week.

Number and Operations in Base Ten

- Use a deck of cards to make a four-digit number and a 1 digit number. Then multiply to solve.
- Ask your child to teach you how to multiply using the area model.
- Let your child teach you how to divide a 3-digit number by a 1-digit number.

Measurement and Data

- Google how far it is from your house to the school. Look at it in miles and kilometers.
- Take a 1 kilometer walk.
- Weigh things in your home using a scale.
- Practice changing time from minutes to seconds.
- Measure liquid in liters and milliliters.
- Spend some time teaching your child the difference between the inch side and centimeter side of a rule. Measure the same object in both scales and discuss the differences.
- Find the area of a rectangular area in your house.



4th Grade

MATH HELP AT HOME

Operations and Algebraic Thinking

- Practice finding mathematical patterns in everyday life.
- Create multi-step word problems and let your child teach you how to solve the problem.
- Let your child tell the first ten multiples of each of the numbers 1-9 (4, 8, 12, 16, 20, 24, 28, 32, 36, 40). See if they can do this faster each night for a week.

Number and Operations in Base Ten

- Use a deck of cards to make a four-digit number and a 1 digit number. Then multiply to solve.
- Ask your child to teach you how to multiply using the area model.
- Let your child teach you how to divide a 3-digit number by a 1-digit number.

Number and Operations - Fractions

- Practice doubling or tripling a recipe with fractions.
- When halving a recipe, let your child do the math to get the measurements right.
- Snack time! Have your child cut apples into a given fraction then ask them what happens if you need to have half as many apples? a third? a fourth?
- Bake a cake with your child and let them measure all the ingredients
- Use chalk outside and let them complete fraction division problems.



5th Grade

MATH HELP AT HOME

The Number System

- Put 60 seconds on the clock and see which one of you can come up with more words associated with negative numbers (below, under, debit, charge, etc.)
- Create a number line using string and have your child explain positive and negative numbers.

Geometry

- Play Battleship to use their knowledge of coordinate planes.
- Find a "Mystery Picture" coordinate grid activity.
- Use chalk and play a life-sized version of Battleship outside.

Expressions and Equations

- Play charades only using math vocabulary (sum, term, product, factor, quotient, coefficient, etc).
- Let your child teach you about exponents.
- See who can solve an order of operations problem more quickly.
- Challenge one another by writing problems for each other to see who can solve it first.



6th Grade

READING HELP AT HOME

Print Concepts

- Cut out a mix of letters and numbers and have your child sort all of the letters into one pile and all of the numbers into another pile.
- Choose 2-3 letters, provide your child with magazines or newspapers, and have your child find and cut out the chosen letters throughout the printed text.
- Create labels for common items your child uses. Tape the labels to the items, read the label, and leave it attached.

Working with Sounds

- Say a word that has a rhyme. Ask your child to say a different word that rhymes with your word.
- Make up a tongue twister with your child's name.
- Say a letter sound 3x. Then, play I Spy and ask your child to find things around the room that begin with that sound.

Vocabulary & Comprehension

- Name a topic and ask your child to name all of the words that he or she can think of that go with the topic.
- Ask your child who/what/when/where/why questions about his or her day.
- Before reading a book, look at the pictures on each page and ask your child to predict or tell what might happen in the story.



Pre-K

*Visit https://strongreadersms.com for additional suggestions and resources.

READING HELP AT HOME

Letter Knowledge

- Write a letter on a piece of paper, and ask your child to name that letter.
- Choose 2-3 letters, provide your child with magazines or newspapers, and have your child find and cut out the chosen letters throughout the printed text.
- Pour rice, flour, sand, or sugar onto a plate or baking tray. Call out a letter and have your child write it in the item on the tray.

Working with Letters & Sounds

- Identify something you see, then tell your child "I spy something that rhymes with ____"
- Name a letter, ask your child for the sound. Then send your child to hunt for things around the house that start with that letter.
- Get 26 sticky notes and write a letter on each one. Call out a letter for your child to point to at random.

Vocabulary & Comprehension

- Name a topic and ask your child to name all of the words that he or she can think of that go with the topic.
- Ask your child who/what/when/where/why questions about his or her day.
- Write a simple sentence, and have your child come up with details to add to the sentence. Rewrite the sentence with the details added, then ask your child to draw a picture to go with it.



Kindergarten

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READING HELP AT HOME

Working with Sounds

- Give your child a magazine or newspaper and have him or her cut out pictures of words that rhyme.
- Think of an animal name, say it out loud and have your child identify the number of syllables in that animal name. Then, together think of something the animal might eat that has the same number of syllables (ie: A horse eats hay.)
- Prompt your child to create rhymes. For example, "Can you tell me a word that rhymes with cake?"

Working with Letters

- Place the letters of the alphabet in a bag or bowl. Have your child draw a letter out of the bag, name the letter, and tell you the sound it makes.
- Write 6-8 different letters on pieces of paper or sticky notes. Be sure to include vowels and consonants. Play a game with your child to see who can create the most words from the 6-8 letters you chose.

Vocabulary & Comprehension

- Have your child say, or write, in order the things they will do today. Encourage them to use time order words.
- Name a category and have your child say or write as many words as they can think of that fit into that category.
- After reading a book together, have your child copy and finish the following sentence: My favorite part of the book was _____. They may also draw a picture.



1st Grade

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READING HELP AT HOME

Working with Letters & Sounds

- Give your child a magazine or newspaper and have him or her hunt for words with specific consonant digraphs (ie: th, ch, sh, ck).
- Write 6-8 different letters on pieces of paper or sticky notes. Be sure to include vowels and consonants. Play a game with your child to see who can create the most words from the 6-8 letters you chose.
- Have your child make a new name for themself. It must be 3 words long, and all words must begin with the same beginning sound.

Reading Fluency

- Use expression and read aloud to your child. Model what fluent reading looks and sounds like.
- Write sight words on flash cards, set a time, and see how many your child can name in that amount of time. Each time, encourage your child to beat their last time. The teacher can provide a list of grade appropriate sight words (called Red Words by our phonics program).

Vocabulary & Comprehension

- Pull ingredients from your pantry. Have your child use his or her senses to describe that ingredient with as many words as possible.
- Read a book with your child and ask him or her to tell or write a different ending that still makes sense to the story.
- Read a nonfiction text together and ask your child to be the teacher and create a test for you.
- Try incorporating new vocabulary into every day conversation.



2nd Grade

*Visit https://strongreadersms.com for additional suggestions and resources.

READING HELP AT HOME

Working with Letters & Sounds

- See how many words you and your child can make by adding sounds to the beginning or end of a word.
- Give your child a magazine or newspaper and have him or her hunt for words with specific vowel teams, which are called digraphs (oo, ee, ea,aw, ew, ow, etc.)
- Make a chart with the six syllable types. Have your child sort words by syllable type. You may provide the words, or they may come up with a word list.

Reading Fluency

- Use expression and read aloud to your child. Model what fluent reading looks and sounds like.
- Write sight words on flash cards, set a time, and see how many your child can name in that amount of time. Each time, encourage your child to beat their last time. The teacher can provide a list of grade appropriate sight words or you can look up Fry Sight Word List.

Vocabulary & Comprehension

- Draw a tree, and write a prefix or suffix on the base. Have your child add words that use the targeted prefix/suffix to the branches of the tree.
- Read a book with your child and ask him or her to tell or write a different ending that still makes sense to the story.
- Read a nonfiction text together and ask your child to be the teacher and create a test for you.
- After reading a nonfiction book with your child, allow them to read additional texts on the same topic and create a factual poster.



3rd Grade

*Visit https://strongreadersms.com for additional suggestions and resources.

READING HELP AT HOME

Working with Letters & Sounds

- Make a chart with the six syllable types. Have your child hunt for and sort words by syllable type.
- Have your child try to find at least one example of each syllable type while reading in a text.

*On the back of this page you will find a chart with the six syllable types.

Meaningful Word Parts

- Choose a root word or affix and have your child create as many words as possible (ex: pre, ful, bio, mono)
- Write prefixes and suffixes on a ball with a marker. Play catch with the ball, and wherever your hand lands you must say a word with that prefix or suffix and tell the word's meaning.
- Pick a group of words with the same prefix, suffix, or root.Have your child explain to you how the words are related.

Vocabulary & Comprehension

- Think of a word, but don't tell your child what the word is. Have your child ask a series of yes or no questions questions that will help them correctly guess the word.
- Have your child read a nonfiction text and write a letter to the author explaining what they learned.
- Read a book with your child and ask him or her to tell or write a different ending that still makes sense to the story.
- Say a simple sentence to your child. Have your child rewrite the sentence adding descriptive details. Ask questions such as: who, what, when, where, why, how, which.



4th Grade

***Visit https://strongreadersms.com for additional suggestions and resources.**

READING HELP AT HOME

Working with Letters & Sounds

- Make a chart with the six syllable types. Have your child hunt for and sort words by syllable type.
- Write down a multi-syllable word on a piece of paper. Have your child write down a new word below it. The new word must begin with the final syllable of your word. (Ex: Elephant, Phantom)

*On the back of this page you will find a chart with the six syllable types.

Meaningful Word Parts

- Choose a root word or affix and have your child create as many words as possible (ex: pre, ful, bio, mono)
- Give your child a prefix, suffix, or root word to look for and record as they find it within a text.
- Pick a group of words with the same prefix, suffix, or root.Have your child explain to you how the words are related.

Vocabulary & Comprehension

- Have your child pick out a picture or photograph and describe it to you while your eyes are closed. Guess what the picture is based on the description.
- Have your child read a nonfiction text and write a letter to the author explaining what they learned.
- Have your child pick a character from a fictional story and rewrite the story from the character's point of view.
- Say a simple sentence to your child. Have your child rewrite the sentence adding descriptive details. Ask questions such as: who, what, when, where, why, how, which.



5th/6th Grade

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