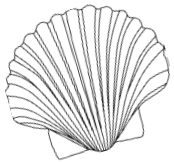
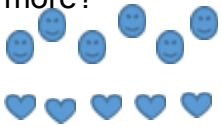
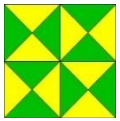
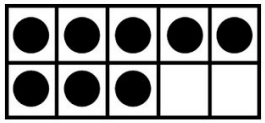
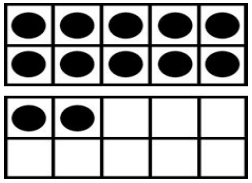
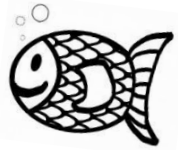
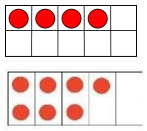
JULY Problem of the Day *(grades K-1)* *Scroll down for further info

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Count from 1 to 20. Can you start from 12 this time?	Count. Which group has more? 	*Story Time!	 How many triangles of each color do you see? Can you find any squares?	*Friday Fun!	*Take it Outside!
*Sorting Day!	How many are shown? What if we add two more? 	Count to 20 skip counting by 2s	What coin do you see? What is it worth?	How many fingers are on one hand? On 2 hands? How about 4 hands? 	*Friday Fun!	*Take it Outside!
*Breakfast Exploration!	Count to 50 skip counting by 5s	You found 6 shells today and you found 4 yesterday. How many shells do you have in all?	*Story Time!	How many in all? 	*Friday Fun!	*Take it Outside!
*Shape Day!	There were 8 balloons. 3 flew away. How many are left?	How many in all? 	Find the sum of 2, 8 and 6.	Count to 100 skip counting by 10s.	*Friday Fun!	*Take it Outside!
*Baking Day!	Complete the sequence 20, 15, 10, __, __	I have 2 dimes 1 nickel and 4 pennies, How much money do I have?	*Story Time!			

August Problem of the Day *(grades K-1)*

*Scroll down for further info

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				Complete the sequence. 9, 12, 15, ___, ____, ____	*Friday Fun!	*Take it Outside!
*Sorting Day!	There were eight bird eggs. 3 hatched. How many did not? 	What number is ten more than 13? How about ten less than 13?	I had $3.00 I bought ice-cream $1.75. How much change do I get? 	Find the sum of 4, 7 and 6. How did you add them?	*Friday Fun!	*Take it Outside!
*Breakfast Exploration!	How much more is 16 than 4?	Find the missing number: 8 + ? = 17	*Story Time!	Lily and Ben have 12 apple slices. How many can they each eat if they share equally? How do you know?	*Friday Fun!	*Take it Outside!
*Shape Day!	What is the value of 1 dime, 1 nickel and 2 pennies? 	How many hours are in a day? 	Is 6 even or odd? What about 23? How do you know?	 How many in all?	*Friday Fun!	*Take it Outside!
*Baking Day!	Arjun, Mia and Tom each caught 10 fish. How many did they catch in all? 	Which is closer to 18? 21 or 14	*Story Time!	How many in all? 	*Friday Fun!	*Take it Outside!

Please note: *The problems in these calendars are for practice purposes. Some may be less challenging and others a bit difficult, depending on the age of your child. You can help by giving him or her manipulative materials to use for counting. And talking through the problems is helpful! Having paper or a journal nearby will allow your child to draw pictures and explain their thinking.*

Sorting Day: Give your child something to sort (socks, coins, buttons, seashells, Lego bricks). Ask him/her HOW he/she sorted them. Color? Size? Pattern? Denomination? Etc.

Breakfast exploration: Explore the kitchen.

- How many eggs are in a dozen? Count.
- What numbers do you see on the orange juice or milk carton?
- How long does it take to make breakfast?
    - To make a waffle or toast in the toaster?
- Is the oven on? What temperature?
- Which is heavier: an egg or an English muffin? an apple or a banana? How do you know?
- Compare the size, shape, weight, and even material of different utensils (spatula, whisk, spoon)

Baking Day: You don't actually HAVE to bake, but let your child explore with measuring spoons and cups anyway.

- How many teaspoons make up a tablespoon? (use water or something granular like sugar or flour)
    - have your child guess (estimate) and then check
- How many ½ cups make up 1 cup (a whole)? 1/3 cups? ¼ cups?
    - What do you notice?
    - How many cups are in the bag of flour/sugar in the cabinet? Guess and then read the label.
- Look at a stick of butter (if you have it) and see how many "slices"/tablespoons make up the whole.
- How many chocolate chips are in a bag? Guess and then check the label for approximate amount.

Shape Day: do a one-time scavenger hunt or continue the hunt throughout the day.

- Find an object shaped like a rectangle, square [quadrilateral] (front of a book, painting, window)
    - Be sure to remind your child that a rectangle or a square is a 2-d (flat) shape and when put together with other flat shapes it can make a rectangular prism or a cube (and more). *They don't need to memorize the terms, just understand that there are flat 2-d shapes and there are 3-D shapes
- How many triangles can you find in the house? How many circles, spheres, etc.?
- OR set a goal for the day. Today we are going to find 5 triangles, 5 rectangles, 5 squares, etc. And challenge them to find different sizes of the same shape.

Friday Fun: Play a game, do a puzzle, try a brain teaser

- Work on Sudoku puzzles…these are for kids
- Magic triangles: try to arrange the numbers 1-9 in the triangle so that the sum of the numbers on all sides are equal
  - For the small triangle, arrange the numbers so that the sum of each side equals 9. There are also solutions for 10, 11 and 12.
  - For the large triangle [developmentally appropriate for older students] arrange the numbers so that the sum of each side equals 17. You can also find solutions for 19, 20, 21, and 23.
- Play a card game, a dice game (add and subtract race). If you have forgotten how to play, there are tons of resources online.

Story Time: You can do these problems anytime of the day! They aren't just for bedtime.

- Head to this GREAT site.
  - Choose the "Today's Fun Math" tab at the top and talk math!

Take it Outside: Play, play, play!

Here are a few ideas to get you started:

- Make a hula hoop clock to review time related problems g
- Build 2-D shapes with sticks (or build 3-D with string for a challenge)
- Have a 2-D shape scavenger hunt (Want more of a challenge? Look for 3D shapes instead!)
  - Draw findings in a math journal
- Draw a number line with chalk. Pick a number to have your child start on. Then have him/her take a certain number of hops on the number line. Where do you land?
- Practice measurement in your flower bed or garden
- Heading to the beach? Use sea shells for counting, sorting or a fun memory game
- Play hopscotch – try a twist by making the number or objects, rather than writing the numeral.