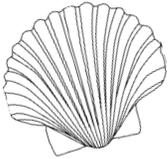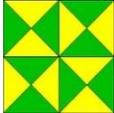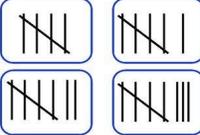# JULY Problem of the Day (grades 2-3)   *Scroll down for further info

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	What number is in the tens place?\n\n281	Find the sum of 12, 18 and 16.	*Story Time!	How many triangles do you see? How about squares?	*Friday Fun!	*Take it Outside!
*Sorting Day!	3 groups of 2 = ?\n\n6 groups of 2 = ?	At 11:45 am Jamal put on sunscreen for 7 minutes and then he swam for 20 minutes. What time is it now?	What is the value of 5 quarters, 3 nickels and 4 pennies?	How many fingers are on 8 hands? Write a number sentence to show how many.	*Friday Fun!	*Take it Outside!
*Breakfast Exploration!	What time will it be in 12 minutes?	What number is 3 less than 6+6 ?	*Story Time!	Find the difference between 91 and 84	*Friday Fun!	*Take it Outside!
*Shape Day!	Divide 18 into 3 equal groups. How many are in each group?	Round 15 to the nearest 10.\n\nNow round 238 to the nearest 10.	How much more is 156 than 143 ?	6 kids each had 3 balloons. 1 popped. How many balloons are left?	*Friday Fun!	*Take it Outside!
*Baking Day!	Complete the sequence\n\n16, 20, 24, __, __	7 x 3 = __?__\n\n7 x 6 = __?__	*Story Time!			

August Problem of the Day (grades 2-3) *Scroll down for further info

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				Complete the sequence. 15, 18, 21, ____, ____, ____	*Friday Fun!	*Take it Outside!
*Sorting Day!	A square has a perimeter of 100. Find the length of each side. What is the area?	What number is 20 more than 13? How about 20 more than 130?	I had $5.00 I bought ice-cream for $2.75. How much change do I get?	Find the sum of 24, 17 and 26. How did you add them?	*Friday Fun!	*Take it Outside!
*Breakfast Exploration!	How much more is 26 than 14?	Find the missing number: 28 + ? = 47	*Story Time!	Jiro, Sage and Henry collect 36 shells. If they take home equal amounts, how many do they each have? How do you know?	*Friday Fun!	*Take it Outside!
*Shape Day!	Laila earns $685 this summer. Eric earns $595. How much more does Laila earn? How do you figure that out?	How many minutes are in an hour? There are 24 hours in a day. Can you find the minutes in a day? (You can use a calculator☺)	Is 16 even or odd? What about 23? How do you know?	What is 3 less than 5 x 5 ? (remember x means groups of)	*Friday Fun!	*Take it Outside!
*Baking Day!	Arjun, Mia and Tom each caught 15 fish. How many did they catch in all?	Find the perimeter of a rectangle with a length of 10 and width of 2. Can you find the area?	*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 always helpful! Having paper or a journal nearby will allow your child to draw pictures and explain their thinking. For an additional challenge, have your child make up his/her own problems of the day based on what is on the calendar.*

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. You can also give older students sorted items and ask them to determine how they are sorted.

Breakfast exploration: Explore the kitchen.

- How many eggs are in a dozen? Count. What about 2 dozen? Three dozen?
- What numbers do you see on the orange juice or milk carton? How many calories are in one serving? How about 2 servings? Or 3?
- How long does it take to make breakfast?
    - To make a waffle or toast in the toaster? (use a timer/clock)
- 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
    - For older students, challenge them to find prisms (3-D shapes)…..cubes, rectangular prisms, pyramids, square pyramids, triangular prisms.
- 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. Older students can find the 3-D shapes mentioned above.

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
  - o 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.
  - o 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.
  - o 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!)
  - o 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.