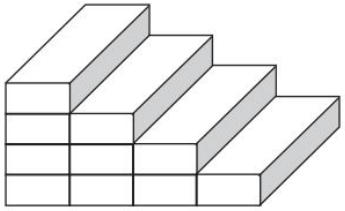
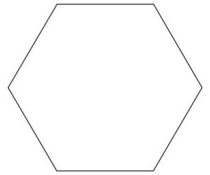
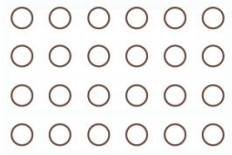
Rising 3rd Grade — Summer Math Calendar 2017

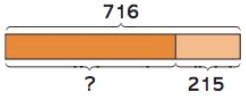
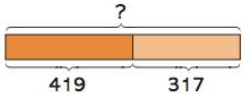
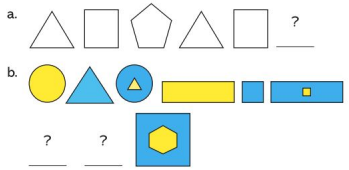
Provided below are two calendars for the months of July and August. The daily activities were taken from our work throughout the school year. During the school year, second graders worked hard at explaining their thinking and showing their work. While completing the activity for the day, students can work in a composition or spiral notebook. They can use a variety of strategies to find a solution as long as they document their thinking.

JULY 2017

Monday	Tuesday	Wednesday	Thursday	Friday
3 This staircase has four steps. How many blocks (rectangular prisms) are in this staircase? How many blocks would you need to build a staircase with seven steps? 	4 What is the missing number in each pattern? 1) 122, 124, 126, ___, 130, 132 2) 420, 400, 380, ___, 340, 320 3) 300, 350, 400, ___, 500, 550	5 Annie ate a sandwich at 11:30. After that, she took an afternoon nap. She woke up at 2 o'clock. She was glad she did not miss her music lesson at 3 o'clock. What time did Annie do these things? Use *in the morning* or *in the afternoon* in your answers. a. When did Annie eat her sandwich? b. When did Annie wake up from her nap? c. When was Annie's music lesson?	6 Cheryl has 258 rocks in her collection. Jim has 123 more rocks than Cheryl. How many rocks does Jim have? Use a bar model to help you.	7 Find the missing numbers in these multiplication sentences. (a) _____ x 4 = 32 (b) 4 groups of 5 = _____ (c) _____ x _____ = 16
10 Find the sum or difference. Then round each given number to the nearest ten. a. 348 + 454 b. 547 + 199 c. 811 – 547	11 Richard wants to exchange all the coins in his piggy bank for $1 bills. He has 30 dimes and 12 quarters. How many $1 bills will he get in exchange for his coins?	12 Andrew has 242 marbles. Ben has 111 more marbles than Andrew. How many marbles do they have in all?	13 Complete each sentence. a. The sum of 684 and 135 is _____ b. The sum of 329 and 555 is _____ c. The sum of 268 and 493 is _____	14 Can you make twenty-four equal triangles fit inside this hexagon? 

17 Solve: a) 321 + 65 = _____ b) 458 + 312 = _____	18 Charlie has 476 bottle caps. David has 44 fewer bottle caps. If David gives away 221 bottle caps, how many bottle caps will he have left? Draw bar models to help you.	19 Write as many different division sentences as you can from the diagram below. 	20 (a) Amir has 290 stamps. Cindy has 285 stamps. Who has more stamps? (b) Henri has a greater number of stamps than Amir. Could Henri have 250, 289, or 300 stamps? Explain your answer.	21 Solve the following addition problems. 409 + 320 615 + 296
24 Sally has 18 stamps. Mandy has 6 stamps. (a) How many times as many stamps does Sally have as Mandy? (b) If Mandy shares her stamps equally with Bill, how many stamps will Bill get?	25 Arrange the fractions in order, beginning with the smallest. Use models to help you. $\frac{1}{2}, \frac{1}{4}, \frac{1}{3}$	26 Solve: (a) How many legs do 9 birds have in all? (b) How many wheels do 8 bicycles have in all?	27 Explain why these solutions are incorrect. 279 + 180 = 359 627 + 146 = 761	28 Sandy has 25 balloons. Derrick has 5 balloons. (a) How many times as many balloons as Derrick does Sandy have? (b) Sandy and Derrick combine all their balloons to be shared equally among 10 children. How many balloons will each child get?
31 Write one or more multiplication sentences for each of the pictures below. (a)  (b) 				

AUGUST 2017

Monday	Tuesday	Wednesday	Thursday	Friday
	1 Look at these bar models. Write a real-world problem based on each model and solve it. (a)  (b) 	2 In the list of numbers below, all the numbers are obtained by multiplying by 5, except two numbers. Cross out the two numbers that do not belong. 10, 23, 30, 45, 52, 55, 60	3 Is the following correct? Explain your answer. 732 -241 511	4 A bicycle shop has a total of 7 tricycles and 9 bicycles. Find the total number of wheels in the shop. Draw a picture or use an array to help you.
7 Ms. Johnston spends $101 on tennis shoes. She also buys a tennis racquet that costs $56 more than the shoes. Find the cost of both items together.	8 What are the missing numbers in each pattern? a) 30, ___, 40, 45, 50, ___, ___ b) 125, 115, 105, ____, 85, 75 c) 400, 500,___, 700, 800, ___	9 Alex has 127 marbles. David gave Alex 219 marbles. Then Alex gave some of her marbles away, leaving her with only 185 marbles. How many marbles did Alex give away?	10 Solve the following multiplication sentences. (a) _____ x 10 = 60 (b) 2 x 5 = ____ (c) 4 x ___ = 20 (d) 2 x 5 x 10 = _____	11 Anthony eats ¼ of a vegetable pizza. Benjamin eats another ¼ of the pizza. Carlos eats another ¼ of the pizza. How much of the pizza is eaten by the three children?
14 Solve: c) 198 – 64 = _____ d) 345 – 247 = _____	15 Bob and Sally are each thinking of a number. Bob's number has 3 hundreds, 8 tens, and 3 ones. Sally's number has 1 hundred, 7 tens, and 2 ones. What are their numbers? Give your answers in standard form and word form.	16 Draw five shapes: a triangle, a circle, a semi-circle, a square, and a rectangle. Draw a horizontal line across each shape. The line must pass through the middle of the shape. Identify which shapes can be divided into two equal parts by the line.	17 Jerry and Kenneth bought 64 erasers. How many erasers did Kenneth buy? Draw a bar model to represent the erasers. Then solve the problem.	18 Identify which shapes complete the following patterns. 

21

Thomas has five 5-foot ropes. Jason has two 10-foot ropes.

(a) How much rope does Thomas have?
(b) How much rope does Jason have?
(c) Find the difference between the total lengths of rope Thomas and Jason have.

22

Find the missing numbers in these multiplication sentences.

(a) 5 x ___ = 35
(b) 9 x 5 = ____
(c) ____ x ____ = 25

23

Jenna's eraser is 6 centimeters long. Charlie's pen is 8 centimeters long.

(a) Which object is longer? How much longer?
(b) What is the total length of the two objects?

24

Complete this number sentence.

369 + 247 = ?

25

Fill in the table below with the names and properties of as many objects from your home as possible.

Name of object	Number of flat surfaces	Number of curved surfaces

28

Sarah has 329 stickers. Her mom gives her more stickers for her birthday. Sarah now has 452 stickers. How many stickers did Sarah's mom give her?

29

Solve:

e) 300 – 87 = _____
f) 600 – 478 = _____

30

Joy bought some fabric. She used 12 feet of fabric to make curtains. She gave 9 feet of the fabric to her aunt. She has 17 feet left. Find the length of fabric Joy bought.

31

Solve the following problems.

$$\begin{array}{r} 726 \\ +\ 182 \\ \hline \end{array} \qquad \begin{array}{r} 683 \\ -\ 329 \\ \hline \end{array}$$