Entering 1st Grade Make Math Count!

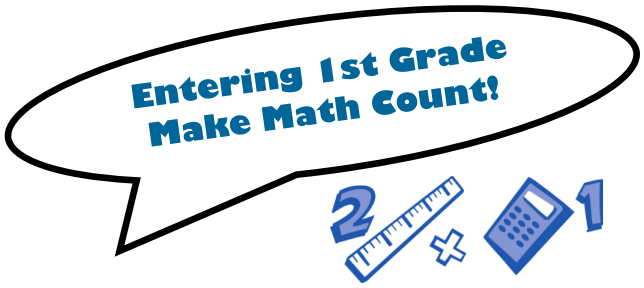
Ways to support your child:

- Make a plan and help your child identify the areas of mathematics s/he would like to focus on over the summer.
- Recognize your child's strengths.
- Have fun solving problems together and creating your own new math challenges.

EVERETT PUBLIC SCHOOLS

July 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
Directions: The purpose for the activities is to have **fun with math and see math throughout your day**. The calendar does not need to be returned in the fall, but we hope you complete many of the activities and use them to develop and explore your own ideas! **Math Tools You May Need:** Blank paper or a spiral notebook for problem solving and creating, ruler (https://printable-ruler.net/), pencils, colored pencils, scis-					**1** Practice counting on from numbers other than 1. Start with 4 … Start with 17 … Start with 32 … Start with 55 …	**2** Sort the laundry by owner, size, color, or item type). Which family member had the most socks? 
3 Make a picture using **2 circles**, **3 triangles** and some **rectangles**. Explain to a friend or family member what you made and how you made it.	**4** Go to illuminations.nctm.org Search for **Okta's Rescue** and play the game. What was the greatest number of Oktas that you saved?	**5** Line up 3 different figures or stuffed animals. Record the order. How many different ways can you line them up?	**6** Jump 3 times, once like a bunny, once like a frog, and once like a child. Measure each jump. Which jump was the **shortest**? Which jump was the **longest**?	**7** Help set the table for a meal. How many people are there? How many forks, knives and spoons do you need? _____	**8** As you walk or ride in the car, try to find all the numbers 0, 1, 2, 3, 4 and 5. How many did you see along the way?	**9** Take a walk with an adult outside. Record how many birds, insects, and mammals (animals with fur) that you see.
10 Keep track of the weather this week. How many sunny days? Rainy days? Cloudy days? How many more sunny days than rainy days?	**11** Find an example of a circle in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	**12** Look at a calendar and count how many Fridays are in July and August. _____	**13** Count 25 objects (Cheerios, raisins, rocks). Make a pile of 15 from the 25. How many are still left after you make your pile?	**14** Estimate (guess) how long it takes to put your shoes on. Now time yourself. How long did it take? How close was your estimate?	**15** As you walk or ride in the car, try to find all the numbers 6, 7, 8, 9 and 10. How many did you see along the way?	**16** Tell a story to go with 7 + 1 = ____. Try another one with 12 + 5 = _____.
17 Find an example of a triangle in your bedroom, in your kitchen, outside or in a book. Draw a picture of one (or more) and share with someone.	**18** Beat the Clock! List 5 things you could do in a minute or less. Try each one. Were you successful?	**19** Look in your kitchen cupboards. Find 5 boxes of different sizes (cereal, crackers, …) Line them up from tallest to shortest.	**20** Take the same boxes from yesterday and line them up from thickest to thinnest. Which box do you think could hold the most? The least?	**21** Count how many steps it takes to get from your room to the kitchen. Then try giant steps. Which took more (regular or giant)? How many more?	**22** As you walk or ride in the car, try to find all the numbers 11, 12, 13, 14, and 15. How many did you see along the way?	**23** Go to a store or a market with an adult. Make a list of all the fruits (or vegetables) you would eat. Sort them by color. Make a graph to show your sorting.
24/31 Read a book of your choice. What math ideas did you find?	**25** At bath time, estimate how many minutes it will take to fill the bath tub. Then have a grown up time it with a watch. How close was your estimate to the actual time?	**26** Find an example of a rectangle in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	**27** What do you notice about these problems? 6 + 0 = 6 9 + 0 = 9 7 + 0 = 7 11 + 0 = 11	**28** Sketch a picture to show this problem: I make 8 hot dogs for lunch. The kids ate 4 of them. How many are left? Draw your own problem and picture.	**29** As you walk or ride in the car, try to find all the numbers 16, 17, 18, 19 and 20. How many did you see along the way?	**30** Ask your family how they use math around the house, in their job, doing fun activities.



Websites to Explore:

- Bedtime Math (http://bedtimemath.org/)
- Talking Math With Your Kids (https://talkingmathwithkids.com/)
- Illuminations (http://illuminations.nctm.org/Search.aspx?view=search&kw=activities)
- Math Dictionary for Kids (www.amathsdictionaryforkids.com)
- Set Game (http://www.setgame.com/)
- Which One Doesn't Belong? (http://wodb.ca/)
- Fraction Talks (http://www.fractiontalks.com/)

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August 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 Go to illuminations.nctm.org Search for: **Concentration** and play the game with numbers **1—10**.	**2** Find an example of 3 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	**3** What shapes do you see in this picture? Name them. 	**4** Write your first and last name. How many letters in each? How many more letters in your longer name than in your shorter one?	**5** Tell someone a story problem for 3 + 2. Then try a story to go with 5 - 2.	**6** Practice counting backwards from 27. Now try starting at 40.
7 Using a calendar, figure out how many months, weeks, and days until school starts in September.	**8** Try counting by 10s forward and backward. See if you can start from 7 or 9.	**9** Find an example of 4 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	**10** Write the words for these numbers. 3, 1, 9, 6, 5, 2, and 10	**11** Make a list of all the shapes you can think of. Go on a scavenger hunt to try to find them.	**12** Look around your house. Identify objects that are the same shape as a sphere, a cone, and a cylinder. Describe them.	**13** Play **Count On** with a family member. Grab a pile of pennies (small blocks or macaroni, etc.). Start counting the pennies and stop (such as at 37). Then the person playing with you must count on. Continue stopping and starting until all objects are counted.
14 Write and solve: 13 children were riding a bus home from camp. 4 children got off at the first stop. How many children were left on the bus?	**15** Use a complete sentence to describe the location of 5 different objects in your home using words such as above, below, behind, between, …	**16** Find an example of 5 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	**17** Enter a number on a calculator or microwave, or you may write it down. Read the number aloud. Repeat with 3 different numbers.	**18** True or False? **2 + 4 = 4 + 2** Draw a picture to explain your thinking.	**19** Look for the pattern. Find the missing numbers. 2, 4, 6, 8, 10, ___, ___, ___ 5, 10, 15, 20, ___, ___, ___ 10, 20, 30, 40, ___, ___,	**20** When you go out, count how many people are wearing shorts and long pants. Compare. Why might that change on another day?
21 Grab a handful of something (pennies, Cheerios, small rocks). Estimate how many fit in your hand. Now count to see. How did you organize your count?	**22** Go to illuminations.nctm.org Search for **Five Frame** and play the game. Record all the number sentences with the sum of five.	**23** Find an example of 6 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	**24** Practice skip counting to 100 by 2s, 5s, and 10s.	**25** Play **Count On** with a family member. Grab a pile of pennies (small blocks or macaroni, etc.). Start counting the pennies and stop (such as at 37). Then the person playing with you must count on. Continue stopping and starting until all objects are counted.	**26** Make up your own picture problem. Be sure to write the equation.	**27** Play a board game that uses dice or put together a jigsaw puzzle.
28 Build something with blocks or LEGOs. Decide how many you will use. Tell someone about what you built.	**29** Estimate how many steps from your front door to the car, bus stop or school (if you walk). Now walk it counting your steps. How close was your estimate?	**30** Find an example of 7 in your bedroom, in your kitchen, outside and in a book. Draw a picture of one (or more) and share with someone.	**31** Write your phone number and address. Read them aloud.			