Entering 3rd Grade Make Math Count!
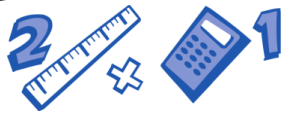
Ways to support your child:
· Make a plan and help your child identify the areas of mathematics s/he would like to focus on over the summer.
· Recognize your child's strengths and always be encouraging to your young mathematician.
· Have fun solving problems together and creating your own new math challenges.

EVERETT PUBLIC SCHOOLS

July 2017

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**. Encourage a "growth mindset" letting your child know that they have unlimited math potential and that it's all about working hard. 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, scissors, internet access.						**1** Make a calendar or chart to keep track of how many minutes you read each day this month. Estimate the number of minutes you think you will read.
2 Sort the laundry by owner, size, color, or item type. Which family member had the most socks?	**3** What time did you go to bed last night? What time did you get up this morning? Draw 2 clocks and show these times. How many hours did you sleep?	**4** Play a board game or put together a puzzle.	**5** Sue swims in the pool from 1:10 to 1:35. Draw a clock to show the time at which she began to swim.	**6** Using the numbers 63, 18, 30 and 49, tell which two numbers you would add to get the greatest sum. Add them together.	**7** Set out 4 bowls. Put the same number of objects in each bowl. How many objects are in each bowl? Write an addition sentence to show how many objects are in all 4 bowls.	**8** Write the missing numbers on the lines below: 12, 15, 18, 21, ___, ___, 8, 12, 16, 20, ___, ___,
9 Make a 3-D shape using mini marshmallows and toothpicks. How many corners (vertices) does your shape have? How many edges?	**10** One way to make 12 is 8 + 4. Write 4 other ways to make 12 using addition.	**11** Using a group of different coins, sort the coins into groups of the same kind. How much is in each group. What is the total value of the coins?	**12** One way to make 9 is 18 – 9. Write 4 other ways to make 9 using subtraction.	**13** Look at a calendar. On what days of the week do the 5th, 13th, 26th and 30th fall?	**14** Make a list of the ages of each family member. Round each age to the nearest ten.	**15** Roll 2 dice and record your numbers. Use the numbers to create a fact family. Write your 4 fact family number sentences and solve.
16 Add the ages of each of your family members together. What is the sum?	**17** Count the number of forks and spoons in your kitchen. How many do you have in all?	**18** One way to make 15 is 8 + 7. Write 4 other ways to make 15 using addition or subtraction.	**19** Using coins show 2 ways to make 25 cents, 40 cents, 58 cents and 77 cents. Share your ways with an adult.	**20** Identify the rule for each pattern and then continue the pattern: 5, 7, 9, 11, ___, ___ 75, 80, 85, 90, ___, ___	**21** Look for a pattern in the times listed below. Complete the pattern by filling in the lines. 2:18, 2:22, 2:26, ____, ____	**22** Write the numbers below in expanded form. (Ex. 345 = 300+40+5) 836, 203, 427, 650
23 Estimate how many pieces of cereal are in ¼ cup. Now estimate how many ¼ cups fill your cereal bowl. Check.	**24** Play a board game or put together a puzzle.	**25** Gather five different boxes of food such as crackers or cereal. Measure the height of each box in inches. Which box is the tallest? The shortest?	**26** Roll 2 dice together and find the sum. Record the sum. Do this 20 times. What sum did you get the most often? Why do you think?	**27** A small pack of gum has 5 pieces of gum. How many pieces are in 3 packs? What about in 5 packs? In 7 packs?	**28** True or False? **15 + 6 = 16 + 5** Draw a picture to explain your thinking.	**29** When you go outside, count how many people are wearing shorts and long pants. Compare. Why might that change on another day?
30 Play a board game or put together a puzzle.	**31** Add up the number of minutes you read this month. How close to your estimate was your actual number of minutes read?					

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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 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 Make a calendar or chart to keep track of the number of minutes you read this month. Estimate the total number of minutes you will read.	**2** Write a story problem to go with the expression: 87 + 36 = _____. Solve the problem and share your story.	**3** Is the number of pets in your house greater than or less than the number of people? Write a number sentence using greater than or less than signs to show this.	**4** Skip count by 2s, 5s, 10s to 150.	**5** Use a ruler to measure 5 things in your house. Arrange them in order from tallest to shortest.
6 Beat the Clock! List 5 things you could do in 1 minute or less. Try each one. Were you successful?	**7** Make a tally chart of the number of fruits and vegetables you ate today at your meals and for snacks. Did you eat 5 servings?	**8** Write all the ways to make 39 using tens and ones. (For example 3 tens and 9 ones, 2 tens and 19 ones, etc.)	**9** Use coins to count back the change you would get back if you bought candy for 12 cents and paid for it with a quarter.	**10** Find four canned food items. Which one do you think is the heaviest? Which one do you think is the lightest? Weigh them to find out.	**11** How many ways can you cut a sandwich into 4 pieces? Try it with real or paper "sandwiches."	**12** Name 5 ways to make 30 cents. Draw a picture to show your thinking and write the number sentences.
13 Look in your refrigerator. Categorize the items as dairy, fruit, vegetable, meat, grains, fats, or other. Make a tally chart.	**14** Make a calendar for this week. Record the daily temperature. At the end of the day compare with the weather in Spokane, Washington. What did you notice?	**15** Write all the ways to make 48 using tens and ones.	**16** Estimate how long it will take you to clean your room. Make a prediction, write it down, set the timer and clean. How close were you?	**17** Play a board game or put together a puzzle.	**18** What time is it now? Write down the time. What time will it be in 30 minutes? What time was it 20 minutes ago?	**19** In New York, it is 3 hours later than it is in Washington State. What time will it be in New York when you eat lunch? When you go to sleep?
20 Create a symmetrical picture using triangles, squares, rectangles, etc. Draw the line of symmetry.	**21** Make a tally chart of the number of fruits and vegetables you ate today at your meals and for snacks. Did you eat 5 servings?	**22** Write all the ways to make 63 using tens and ones.	**23** Think of a special day you are looking forward to. How many days until that special day? How many weeks? How many months?	**24** Make a list of 2-D shapes (flat, plane) and 3-D shapes (solid). Go on a scavenger hunt to look for those shapes. Bring your list and check off the shapes you find.	**25** If you took ½ cup of Cheerios, macaroni, or crackers and lined them up, how long do you estimate your line will be? Measure your line using centimeters (cm) and inches (in).	**26** Play a board game with a friend or family member or put together a puzzle.
27 Read a book of your choice. What math ideas did you find?	**28** Ask your family how they use math around the house, in their job, doing fun activities.	**29** Write all the ways to make 95 using tens and ones.	**30** If Ann painted 100 fingernails, how many people did she see? If the vet examines 16 dogs, how many paws did she see?	**31** Add up the actual number of minutes you read this month. How close was it to your estimate?		