

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.
- Have fun solving problems together and creating your own new math challenges.



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! | | | | | 1 Make a calendar or chart to keep track of how many minutes you read each day this month. Estimate the total amount you think you will read. | 2 Sort the laundry by owner, size, color, or item type). Which family member had the most socks?  |
| 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 | | | | | | |
| 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 $\frac{1}{4}$ cup. Now estimate how many $\frac{1}{4}$ cups fill your cereal bowl. Check. |
| 24/31 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? Which box is 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 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/) (http://bedtimemath.org/)
- [Talking Math With Your Kids](https://talkingmathwithkids.com/) (https://talkingmathwithkids.com/)
- [Illuminations](http://illuminations.nctm.org/Search.aspx?view=search&kw=activities) (http://illuminations.nctm.org/Search.aspx?view=search&kw=activities)
- [Math Dictionary for Kids](http://www.amathsdictionaryforkids.com) (www.amathsdictionaryforkids.com)
- [Set Game](http://www.setgame.com/) (http://www.setgame.com/)
- [Which One Doesn't Belong?](http://wodb.ca/) (http://wodb.ca/)
- [Fraction Talks](http://www.fractiontalks.com/) (http://www.fractiontalks.com/)



August 2016

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
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| | 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 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? | 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 $\frac{1}{2}$ 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? | | | |