

Math Grade 1

These activities focus on both mathematical skills and problem solving. Some problems require answers from previous days but, overall, you may do the problems in any order or any day that you choose. **Create a math journal by stapling sheets of paper together or use a notebook to show your work.** You may staples some papers together for this journal. Or you may use a notebook or bonder. Decorate the cover!

PICK AT LEAST 15 CALENDAR ACTIVITIES AND

COMPLETE THEM IN YOUR MATH JOURNAL!

YOUR COMPLETED JOURNAL MUST BE TURNED IN THE FIRST WEEK OF SCHOOL


A list of suggested books and resources needed are included at the end of each grade level packet.

For Students Entering Grade 1

- Know number names and the count sequence
- Write numbers from 0 to 20 and represent a number of objects with a numeral
- Count to tell the number of objects up to 100
- Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from
- Fluently add and subtract within 5, and solve addition and subtraction word problems
- Compare numbers up to 99 using $<$, $>$, and $=$ symbols
- Describe and compare measurable attributes
- Work with numbers 11-19 to gain foundations for place value
- Classify objects and count the number of objects in categories
- Identify, compare, and compose shapes

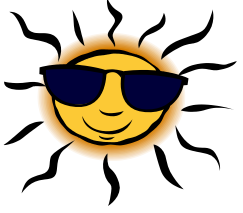
Throughout the summer, practice basic addition and subtraction facts.

FOR STUDENTS ENTERING GRADE 1 June 2017

Monday	Tuesday	Wednesday	Thursday	Friday
	<p>Start with June 17 and stop on September 6. How many days for summer break?</p>	<p>Walk around your house and/or apartment. How many windows can you see? How many doors? Which object is there more of, doors or windows?</p>	<p>Count the total number of steps in your house. If you live in an apartment, count the number of steps it takes to get to your apartment door.</p>	<p>Count the number of houses, buildings, and cars in your neighborhood. List your answers in a chart.</p>
<p>Take a tour of the kitchen. Count the how many different cylinders, squares, rectangles, pyramids, and triangles there are.</p>	<p>Draw a number line. Beginning with 18, go back 12 numbers. What number did you stop on?</p>	<p>Sort the pattern blocks by the number of sides. (See the resource page.)</p>	<p>Write five subtraction sentences that start with the number 5.</p>	<p>Practice skip counting by 2s. You can count by 2s to find out the number of socks in your drawer. Estimate how many socks are in your drawer. Then count the pairs by 2s. To check your answers, then separate the pairs and count by ones.</p>

FOR STUDENTS ENTERING GRADE 1

July 2017

Monday	Tuesday	Wednesday	Thursday	Friday
	<p>Look for 15 items in your house that can be matched with the numbers 1 through 10. (ex. 3 pots, 1 microwave, etc.) Keep a record by drawing pictures of the items you found. This will be done for the next day -----></p>	<p>Look for 15 items in your house that can be matched with the numbers 1 through 10. (ex. 3 pots, 1 microwave, etc.) Keep a record by drawing pictures of the items you found.</p>	<p>Cut out some shapes such as circles, squares, triangles, and rectangles. Try to match them with real things in your house or neighborhood.</p>	<p>This calendar only has the days Monday-Friday. Fill in the dates for July. How many Sundays are in July 2017? How could you show any missing dates?</p>
<p>Guess (estimate) about how many wheels there are at your house. Do not forget wheels on cars, bicycles, toys, and even the vacuum cleaner. Count the wheels to see how close you were to your estimate.</p>	<p>Write ten number sentences that equal 10. Use both addition and subtraction. Draw pictures to show your number sentences.</p>	<p>How many "Cheerios" can you grab in a handful? Write down your estimate. Now grab a handful of "Cheerios." What is the difference between your estimate and the actual handful? Try it again.</p>	<p>Start counting on January 1. What is the date of the 100th day of the year?</p>	<p>Write the names of the people in your family. Count the letters in each name and circle the name with the most letters. Underline the name with the least number of letters.</p>
<p>Look for patterns on clothes. Copy a pattern you find onto a sheet of paper using crayons or markers.</p>	<p>Go on a shape hunt. Look through your house to find things shaped like a circle, square, triangle, pentagon and hexagon. Make a chart to show your results.</p>	<p>Cut an empty box on the folds. What shapes and how many shapes do you have?</p>	<p>What is the shape of a paper towel roll? Cut the roll in half. What shape(s) do you have? Cut the roll from one end to the other and flatten out the shape. What is the flattened shape named?</p>	<p>Look in the newspaper or a magazine for a graph. Write about the information that you can determine from the graph.</p>
<p>Write the numbers 16-20. Draw pictures of items or cut pictures from magazines to match the number written.</p>	<p>Read a math book from the list.</p>	<p>Does $6+3 = 5+2$? Draw a picture to prove your answer.</p>	<p>Compare the width of two rooms in your house by using your feet as a measuring tool. Which is wider? How do you know?</p>	<p>How many times can you say the alphabet in 30 seconds? Make a prediction and then have an adult time you. Which number was more, the prediction or the actual count? Write a number sentence to show the difference.</p>

FOR STUDENTS ENTERING GRADE 1

August 2017

Monday	Tuesday	Wednesday	Thursday	Friday
<p>What is today's date? How many days left before school starts? How did you count?</p>	<p>Predict three colors for cars you will see. While on a drive, keep a count of the cars on the road that are the colors you predicted. Make a chart showing how many cars of the predicted colors you see.</p>	<p>Use a calendar to determine if there are more Sundays in July 2017 or August 2017? Explain your answer.</p>	<p>Use coins to show 15¢ at least three different ways.</p>	<p>Read a math book from the list and write about it in your journal.</p>
<p>Predict how many jumping jacks you can do in 30 seconds. Test your prediction. Use the terms "less than" or "equal to" to compare your prediction and the actual count.</p>	<p>Making shapes. Cut out the pattern blocks on the resource page. Put shapes together to create other shapes. Make a hexagon using the triangles. What other shapes can you make?</p>	<p>Estimate and count how many bites it takes you to eat a sandwich. Estimate and count how many bites it takes for an adult to eat a sandwich. Are the numbers the same? Why or why not?</p>	<p>Use a deck of playing cards to play a game with addition. Take out all face cards. An ace is one. Stack the cards with the numbers not showing. Each person takes two cards and determines the sum. The person with the highest sum wins the round. Repeat.</p>	<p>Use a deck of playing cards to play a game with subtraction. Take out all face cards. An ace is one. Stack the cards with the numbers not showing. Each person takes two cards and determines the difference. The person with the smallest difference wins the round. Repeat.</p>

Suggested Math Reading for Primary Grades

Title	Author
1. 12 Ways to Get to 11 (Addition)	Eve Merriam
2. A Fair Bear Share (Subtraction)	Stuart J. Murphy
3. Animals on Board (Addition)	Stuart J. Murphy
4. Dominoes Addition	Lynette Long
5. Mission: Addition	Loreen Leedy
6. Pizza Counting (Addition)	Christina Dobson
7. Two of Everything (Doubling)	Lily Toy Hong
8. Actual Size (Measurement)	Steve Jenkins
9. Betcha! (Estimation)	Stuart J. Murphy
10. Count on Pablo	Barbara deRubertis
11. Fish Eyes: A Book You Can Count On	Lois Ehlert
12. From One to One Hundred	Teri Sloat
13. Two Ways to Count to Ten: A Liberian Folktale	Ruby Dee
14. What Comes in 2's, 3's, and 4's?	Suzanne Aker
15. Ten Black Dots	Donald Crews
16. The Man Who Counted: A Collection of Mathematical Adventures	Malba Tahan
17. Fraction Action	Loreen Leedy
18. Eight Hands Round (Shapes)	Ann Whitford Paul
19. Apple Fractions	Jerry Pallotta
20. Fraction Fun	David A. Adler
21. Math in the Bath	Sara Atherlay

22. Place Value	David Adler
23. Big Ideas for Small Mathematicians: Kids Discovering the Beauty of Math	Ann Kajander
24. Whole-y Cow!: Fractions are Fun	Taryn Souders
25. The Great Graph Contest	Loreen Leedy
26. One Foot Two Feet: An Exceptional Counting Book	Peter Maloney
27. Earth Day-hooray	Stuart Murphy
28. Let's Make a Bar Graph	Robin Nelson
29. I See A Pattern Here	Bruce Goldstone
30. Beep Beep, Vroom Vroom!	Stuart Murphy
31. The Sunday Scoop	Stuart Murphy
32. Place Value Level 2 Practice Pages and Easy-to Play Learning Games for Base-ten number concepts	April Duff
33. **Math for Children Measurement	Publisher Schlessinger Media
34. **Einstein's Math Video Tutor: Volume Two ages 5-7	Publisher Penton Overseas
35. **Einstein's Math Video Tutor: Volume Three ages 7-9	Publisher Penton Overseas
** Suggested DVD	

Color and cut two sheets of Pattern Blocks. Save to use as needed.

Pattern Block Template

