

ENTERING GRADE 1

Here are mathematics activities that will reinforce what was learned in school this past year. Study your addition and subtraction math facts and complete as many MATHOs as you can this summer. Have a parent or guardian initial or sign each activity that you complete and return this paper to your new teacher when you return to school. You do not need to submit your actual work.

This is like a game of BINGO. Complete five activities in any one row, column or diagonal – that makes a MATHO. Complete as many MATHOs as you can this summer. Because space is limited, some of the directions are abbreviated. You can make up any additional directions you may need.

M	A	T	H	O
What is your favorite shape? Make a picture using those shapes. K.G.2	Look at American Flag. Are there more, less or the same number of red stripes as white stripes. K.CC.6	Practice writing numbers. How high did you go? Are the numbers in order? K.CC.3	Lay across a small rug. Is the rug longer or shorter than you? K.MD.2	Count the light switches in your home. How many did you count? K.CC.5
Draw a picture using only triangles. What other shapes can you make with the triangles? K.G.5	Group 8 pennies to show all of the combinations that make 8. K.OA.3	Write and illustrate a story problem for the sum of $3 + 7$. K.OA.2	How many jumping jacks can you do in one minute? K.CC.1	Game Night! Play a game with your family
Fill a tray with a thin layer of salt. Draw circles, triangles, and rectangles in the salt. K.G.5	Gather 10 objects. How many ways can you sort them? K.MD.3	Write or tell someone $7 +$ or $-$ stories or equations that represent 7. K.OA.1	Count the number of steps from your bedroom to the bathroom. K.CC.4	Play Top-It with a Friend. Each turns over 1 card. The higher card keeps both. K.CC.7
Go on a shape hunt around the house. Find 10 different shapes. Say if each is 2-D or 3-D. K.G.3	Start at 10 and count backwards by 1s. Then roll two dice. Make a 2-digit number. Count to 100 from there. K.CC.2	Have a friend say a number 0-10. You say the number that makes 10. K.OA.4	Stack pennies as high as you can. Estimate how many pennies there are. Check. K.CC.5	Bounce a ball. Count how many times it bounces. K.CC.1
Find two sticks. Which one is longer? Can you find another stick that is the same length? K.MD.2	Play Simon Says – use words like over, under, behind, beside. K.G.1	Draw 9 circles. Color 3 red, 4 blue. How many are not colored? K.OA.2	How many fingers would you and 3 friends have total? K.CC.1	Toss 10 pennies. How many land on heads? Tails? Write an equation. Repeat 10 times. K.OA.4

These activities are aligned to the Common Core Standards for the grade that has just been completed. The standard is listed in the bottom right corner of each square. If you want more information about the standards, go to <http://www.corestandards.org/Math/>

Summer Math!

Entering Grade 1

SUMMER INCENTIVE:

- Complete at least 3 MATHOs (vertically, horizontally or diagonally) to earn a prize.
- Study your addition and subtraction facts.

Skills to Practice:

Finding Pairs to Make Numbers 10 or Less

Example Activity: How many marbles?

Take a pile of 10 (or fewer) marbles (any object will do).

Put the marbles behind your back and put some in each hand.

Show the number of marbles in one hand and ask "How many marbles do I have behind my back?"

Reveal to see if the answer is correct.

Write an equation (addition sentence) to represent each turn. (Example: $4 + 6 = 10$)



Fluently Add and Subtract Within 5

Fluently- efficient, flexible, and accurate methods for computing. At the end of kindergarten, students should be able to solve addition and subtraction within 5 at the rate of 3 seconds per problem.

Example Activity: Timed Fluency Practice

$$2 + 2 = \quad 3 + 1 = \quad 0 + 5 =$$

$$5 - 3 = \quad 4 - 2 = \quad 3 - 3 =$$

To be better prepared for Grade 1, we recommend students practice the skills outlined on this page over the summer. Please encourage review of these skills along with active participation in math games and interactive activities. Practicing math 2 to 3 times per week for 15 minutes will be a great way to stay sharp over vacation. Have a great math filled summer!

Links and Resources

www.gregtangmath.com A great collection of conceptual and visually-based math games.

www.ixl.com – Computer based practice for hundreds of math topics. Practice 20 problems each day for free to keep skills sharp this summer.

www.math-aids.com – Create your own math worksheets to practice basic skills with a click of the button. Great for practicing math fluency of basic facts.