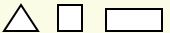


Beall Elementary School Summer Math Problems for grade K students going into 1st grade

**Students should complete their work on a separate sheet of paper.
Students should then explain each step to a parent, sibling, or friend.**

<p>Welcome to the summer math problems for students entering First Grade. Reviewing the learned skills will maintain the foundation for math success at the next grade level.</p>	<p>1 Have your child mark off the days on a calendar for the month of July. Ask them about the calendar using terms like today, tomorrow, and yesterday. Also, ask what day comes after and what day comes before a given day.</p>	<p>2 Count to 100 by 1's and by 10's. Practice your math fact Flash cards.</p>	<p>3 Verbally name a number. Ask your child to give you the number that is one more and one less. Represent the numbers in numeral and word form.</p>	<p>4 Make a list of 5 numbers you see around your house or while out and about with your family. Say each number. Write it in numeral and word form.</p>	<p>5 Write equations to show the different ways to make the number 10. How many can you make? Remember you can use addition and subtraction.</p>	<p>6 Practice your math fact flash cards.</p>
<p>7 Go into your yard or outside in a common area like a playground or shopping plaza. What shapes do you see? Draw a picture of the shapes. Label your picture.</p>	<p>8 3 boys are swinging on the swings. 6 girls are playing tag. How many children in all? Write an equation to represent this story problem. Write another story problem using different numbers.</p>	<p>9 Complete the equations: 3+5= 9+1= 0+4= 2+6= 5+5=</p>	<p>10 Count to 100 starting with the following numbers: 22 68 40 55</p>	<p>11 Look for a 4 digit address or a license plate. Which one is largest? Which number is less than all the others? What two-digit numbers can they make?</p>	<p>12 Compare the numbers 12 and 19. Which number has the greatest value? Explain your thinking.</p>	<p>13 When playing with toys, have your child sort them by sets of similar objects. How are the objects alike? What geometric shapes do you see in those objects? (cube, sphere, cylinder, etc.)?</p>
<p>14 Draw three different patterns using the following shapes. </p>	<p>15 Find two objects that are different lengths (a pencil, crayon, marker, etc.) Compare the length of the two objects. Which one is longer? Which one is shorter? Explain your thinking.</p>	<p>16 Use a pile of objects around the house. Make groups of 2. Count by 2's, Make groups of 5, count by 5s.</p>	<p>17 When you are out in the community, have your child identify geometric shapes (triangles, rectangles, circles, squares) in their environment and give tell how many sides.</p>	<p>18 Do the same activity as yesterday but look for solid shapes this time (rectangular prism, sphere, cone, cylinder, cube, pyramid).</p>	<p>19 There are 10 students on the school bus. 6 Students get off the bus. How many students are still on the bus?</p>	<p>20 Give your child a handful of coins and ask them to sort them into groups of like coins. Go over the names of each type of coin.</p>
<p>21 Complete these equations. 8-3= 9-0= 3-2= 7-4= 10-6=</p>	<p>22 What number is one more? One less? 8 ____ 11 ____ 70 ____</p>	<p>23 Find a toy car/truck or a picture of one. Ask your child how many wheels are on three cars/trucks? How many wheels are on a bike? What if there were two bikes? Write a number sentence to match.</p>	<p>24 6 children are playing outside on the playground. 4 children go inside. How many children are left playing outside? Write a number sentence that matches your story problem.</p>	<p>25 Measure the lengths of toys or objects with non-standard measurements such as paper clips, pennies, or blocks. Use vocabulary such as length and units.</p>	<p>26 7 children are playing ball. 2 more come to play ball. How many in all? Practice your math fact flashcards</p>	<p>27 Use tally marks to count objects (silverware, toy cars, dolls, etc.) Make a pictograph of the results.</p>

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Write equations to show the different ways to make the number 8. How many can you write? Do the same for the number 9.

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9 ducks are swimming in a pond. 5 ducks fly away. How many ducks are left swimming in the pond?

Draw a picture of the problem.

30

Verbally name two numbers and have your child give you the number or numbers that come between those numbers.

Websites to Support Summer Math Learning/Practice

<http://illuminations.nctm.org/> (National Council of Teachers of Mathematics Site ☺)

On the right side of the home page, check interactives and choose a grade level. Tons of activities that support the MCPS curriculum

<http://www.allmath.com/>

This site has flash cards and links to other sites for games, math humor, worksheets, math help and more.

<http://www.aplusmath.com>

This site has basic facts flash cards and a game room, worksheets, multiplication table practice and more.

<http://www.khanacademy.org/>

This site has practice exercises, instructional videos, and a personalized learning dashboard that empowers learners to study at their own pace.

<http://www.kenkenpuzzles.com/>

This site has numerous levels of the famous KenKen math puzzle game.

<http://www.aplusmath.com>

This site has basic facts flash cards and a game room, worksheets, multiplication table practice and more.

<http://www.mathfactcafe.com>

This site has a pencil next to pre-made cards so kids can do the facts and have the computer check them. Kids can print them out and also put in their own numbers and make their own worksheets.

<http://www.funbrain.com>

This site has easier to harder addition and subtraction computation and problem solving. It also has language and grammar skills activities

<http://www.24game.com>

This site has math games using basic operations

<http://www.coolmath4kids.com>

This site has a wide range of topics and will give you step-by-step instructions.

<http://www.learningplanet.com>

This site has games by grade level but with advertisement and a subscription. There are some free games.

<http://www.gamequarium.com>

This site has math activities for K-6.

<http://www.SETGame.com>

This is a card game to build students' visual thinking and pattern skills in math.

Commercial, but does have some great free puzzles.

<http://www.math.com>

Good resource of how to do problems

<http://www.mathcats.com>

This is an interactive fun site

<http://www.spikesgamezone.com>

Lots of math games

<http://www.funschool.com>

This site has games, but also commercial advertising

<http://www.figurethis.org>

This site gives you ideas for fun hands-on math activities. Good for upper grades

<http://www.kidsites.com>

List of sites for math as well as other subjects.

<http://abcya.com>

Loads of math games for K-5 as well as games for reading and language arts

Created by SDTs of the Sherwood Cluster (Adapted)

