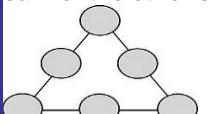
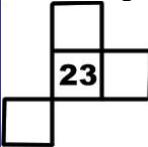


Beall Elementary School Summer Math Problems for 2nd grade students going into 3rd grade

Students should complete their work on a separate sheet of paper.

Students should then explain each step to a parent, sibling, or friend.

Welcome to the summer math problems for students entering Third Grade. Reviewing the learned skills will maintain the foundation for math success at the next grade level.

7 What number is 100 MORE than; 463 _____ 589 _____ 812 _____	1 Give your child a handful of change and ask them to count it. Take one more handful, count and compare the two amounts. Which is greater? Less?	2 Verbally name a specific amount (\$0.25). How many different coin combinations can be made to equal that amount? Which combination uses the fewest number of coins?	3 Solve 53+38 using expanded form: Example: $32 + 18$ $\begin{array}{r} 30 + 2 \\ +10 + 8 \\ \hline 40 + 10 = 50 \end{array}$	4 Make a list of 10 numbers you see around your house or while out and about with your family. Say each number. Which number has the largest value?	5 Take a handful of coins. Sort them by name and create a bar graph to show your data. Remember your graph must have a title and labels on each axis. Write 3 facts that you notice about your data.	6 Place the numbers 1-6 in each circle once making sure that the sums of each side match the sum of the other sides. 
	8 Below is part of a hundreds chart. Fill in the missing numbers. 	9 Complete a fact family for: $5 + 3 = 8$ $9 = 6 + 3$ $10 - 5 = 5$	10 Write an addition word problem for another family member to solve.	11 Write your numbers by 5's to 100. Practice your math facts	12 Use the digits 3, 1, and 7 to write the largest number and then the smallest number possible. Explain to a family member how you know you have made the largest number.	13 Find an analog clock (a clock with hands) and read the time of day to a family member. Practice your math facts
	14 Write your numbers by 100s to 1,000 Practice your math facts	15 Look around your house and identify geometric shapes (polygons, quadrilaterals, pentagons, hexagons, triangles, and octagons). Identify their attributes (sides, faces, corners). List them.	16 Look around your house and identify solid shapes this time (rectangular prism, sphere, cone, cylinders). List them.	17 Compare each pair of numbers. Write the correct comparison symbol (> or <) in each circle. $124 \bigcirc 134$ $585 \bigcirc 576$ $613 \bigcirc 631$	18 Make as many different arrays as you can with the number 18. Write a number model for each array. For example for 12: xxxx xxxx xxxx $4 + 4 + 4 = 12$	19 Solve 432 + 318 using expanded form Example: $146 + 235$ $\begin{array}{r} 100 + 40 + 6 \\ +200 + 30 + 5 \\ \hline 300 + 70 + 11 = 381 \end{array}$
	21 Use the digits 8, 4, and 7 to write the largest number and then the smallest number possible. Explain to a family member how you know you have made the smallest number.	22 Solve $85 - 47$ using the strategy of your choice. Show your work.	23 Write your numbers by 10's to 100. Practice your math facts	24 Play buzz by picking a digit 1 to 9. Take turns with a family member counting and every time you get to a number that has that digit you need to say buzz instead of the number or you are out of the game.	25 While doing some summer reading, note what page you started reading from and what page you ended on. How many pages did you read?	26 Compare each pair of numbers. Write the correct comparison symbol (> or <) in each circle. $915 \bigcirc 951$ $188 \bigcirc 197$ $411 \bigcirc 401$
						27 Complete the fact family for: $7 - 4 = 3$ $7 + 3 = 10$ $2 + 6 = 8$

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<p>28 Write a take apart word problem for another family member to solve.</p>	<p>29 What number is 10 LESS than; _____ 98 _____ 346 _____ 987</p>	<p>30 Make as many different arrays as you can with the number 24. Write a number model for each array (For an example see July 18).</p>	<p>Websites to Support Summer Math Learning/Practice</p> <p>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</p> <p>http://www.allmath.com/ This site has flash cards and links to other sites for games, math humor, worksheets, math help and more.</p> <p>http://www.aplusmath.com This site has basic facts flash cards and a game room, worksheets, multiplication table practice and more.</p> <p>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.</p>
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<http://www.kenkenpuzzle.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://abcyah.com>

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

(Adapted) Created by SDTs of Sherwood Cluster