



## Summer Math Learning Packet

### For Students Entering Grade 6

Dear Bayshore Christian Families,

It is important for all students to review math concepts and processes during the summer. Intentional practice of math skills will help students reach mastery of required material and increase their ability to use facts and operations easily and accurately (fluency). There may also be skill areas or knowledge that students need to strengthen (reinforce) or build upon further through enrichment opportunities. Time spent working on mastery, reinforcement and enrichment will greatly benefit all students.

Although these are setup to be used over two months, students can determine their own pacing. There is one problem per day for each of the weekdays during June and July, for a total of just over 40 items. We encourage students to put their answers in a notebook or record their answers securely on an electronic device.

Students should bring their completed notebooks back to school with them in August.

Please turn in your calendar to your sixth grade math teacher by August 14<sup>th</sup>.

The problems in this packet were completed by

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Student Name

For online math resources and iPad apps, read on!

Below is a list of websites to keep your mind fresh mathematically over the summer. Try to visit them daily or weekly so that you are ready to go in August!

- Khan Academy  
[www.khanacademy.org/](http://www.khanacademy.org/)  
With a library of over 3000 videos covering everything from arithmetic to physics, finance, and history and hundreds of skills to practice, we're on a mission to help you learn what you want, when you want, at your own place.
- Kuta Software  
[www.kutasoftware.com/](http://www.kutasoftware.com/)  
Software for math teachers that creates exactly the worksheets you need in a matter of minutes. Try for free. Available for Pre-Algebra, Algebra 1, Geometry, and Algebra 2.
- AAA Math & Purple Math  
[www.aaamath.com/](http://www.aaamath.com/) & [www.purplemath.com/](http://www.purplemath.com/)  
These two sites feature comprehensive sets of interactive mathematics lessons. Practice is available on most topics, which allows for thorough mastery of the concepts.
- Cool Math 4 Kids  
[www.coolmath.com/](http://www.coolmath.com/)  
This fully interactive site and allows the user to sharpen basic math skills, play games and explore new math concepts. And it's not just fun and games! There are lessons, printable materials, and a math dictionary that extend into high school material.
- Math is Fun  
[www.mathsisfun.com/](http://www.mathsisfun.com/)  
Lessons, animations and explanations on just about any middle school and high school math topic you could need!
- FunBrain  
[www.funbrain.com/](http://www.funbrain.com/)  
FunBrain is the #1 site for online educational games for kids of all ages. (math, grammar, science, spelling, and history)
- Math Playground - Online Math Games that Give your Brain a Workout [www.mathplayground.com/](http://www.mathplayground.com/)  
Action packed site with fun and challenging online math games. Play with numbers and give your brain a workout.

## We got an app for that...

Beat the Computer Your Teacher  
Your Teacher  
24 Game  
Khan Archiver  
Rocket Math  
Graphing Calculator  
BrainPop

Algebra Champ  
Ooops  
Pocket Algebra  
Sushi Monster  
Shuttle Mission Math

And many more!

"The only way to

Learn

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- Paul Halmos

NOTES:

Remember to show your work.

JUNE 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
31			3 Order these fractions from least to greatest. $\frac{7}{8}, \frac{3}{5}, \frac{4}{6}, \frac{1}{2}$	4 Simplify: $(2 \times 4) + 300 \div 5$	5 The perimeter of a square is 52 cm. What is the length of each side?	6
7	8 Jen is 12. Amy is 13. In 25 years, what will be the product of their ages?	9 Write 347,392 in expanded form.	10 I am a number less than 50. When divided by 5, my remainder is 4. Who am I? Is there more than one answer?	11 List all the factors of 18 and 54.	12 Write the improper fraction for $2\frac{4}{5}$ .	13
14	15 If you spend \$100.00 a day will it take to spend a million dollars? How many years is that?	16 Express the fractions $\frac{4}{10}$ and $\frac{37}{100}$ as decimals.	17 What is the value of the 7 in the number 472,085?	18 What is a composite number? List three examples	19 Six friends have 4 sandwiches to share. What fraction of a sandwich would each person get?	20
21	22 Evaluate: $5.7 + 6.09 =$ $9.03 - 1.5 =$ $5.5 - 3.01 =$	23 Round to the value in <b>bold</b> . <b>6,708</b> 8.96 803,985 0.744	24 Multiply: $\frac{4}{6} \times 2$	25 Write the number value: $(6 \times 100) + (5 \times 10) + (3 \times 1) + (4 \times \frac{1}{10}) + (3 \times \frac{1}{100})$	26 Find the area: 	27
28						

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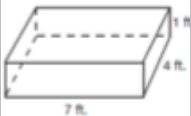
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JULY 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29 Order the following from least to greatest: 0.03, 1.01, 0.90, 0.905	30 If 1,000 pencils cost \$20, how much would ten pencils cost?	1 Solve: $\begin{array}{r} 324 \\ \times 45 \\ \hline \end{array}$	2 Find two fractions between $\frac{8}{10}$ and $\frac{5}{4}$ . Prove your answers on a number line.	3 $1\frac{3}{4}, 3\frac{1}{2}, 7, \underline{\quad}, 28$ In the above pattern, what number belongs between 7 and 28?	4
5	6 Simplify: $\frac{6}{8} =$ $\frac{15}{25} =$ $\frac{8}{24} =$	7 Write an expression to represent the total number of people on the bus: There are N students on the bus for the field trip. There are also four chaperones.	8 Find the area of a square with a perimeter measuring 20 inches.	9 What value does B stand for? $3477 + B = 3500$	10 Write the decimals as fractions. Express them in their simplest form. 0.55 3.5 2.42	11
12	13 What is the largest multiple of 4 that is less than 30?	14 You have a \$10 gift card to spend on iTunes. You buy an app for \$4.99 and a new song for \$2.99. How much should be left on your gift card?	15 How many more even number days are there in July than in February?	16 Tyler and Madison buy a pizza that is cut into 8 equal slices. If Bill eats $\frac{1}{8}$ , and Carol eats $\frac{1}{4}$ of the pizza, how much eighths of the pizza are left?	17 I bought a bag of 60 lollipops. I kept 3 lollipops and gave the rest to my 3 friends. They divided the lollipops equally among themselves. How many lollipops did each friend get?	18
19	20 Draw a quadrilateral that Has only one set of parallel sides.	21 Calculate the volume: 	22 If 4 mint chocolates cost \$1.00, how many mint chocolates can you get for \$5.00?	23 Add: $7\frac{1}{5} + 1\frac{3}{15} =$	24 Solve: $\begin{array}{r} 460 \\ \times 50 \\ \hline \end{array}$	25
26	27 Devin bought a roll of ribbon to make bows for his gift boxes. There were 132 inches of ribbon on the roll. How many feet of ribbon was that?	28 Divide: $280 \div 7 =$	29 Round to the place value in <b>bold</b> . 52,788 81. <b>07</b> 2,912,865 0.8 <b>31</b>	30 What is a fraction between $\frac{1}{4}$ and $\frac{1}{2}$ ? Prove your answer on a number line.	31 Make the largest and smallest numbers you can using the digits: 4, 1, 7, 8, and 2. Find their sum AND difference.	