Summer Math Learning Packet

For Students Entering Grade 7

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.

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

Please turn in your work to your seventh grade math teacher by August 14th.

The problems in this packet were completed by

_____

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/
  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/
  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/ & www.purple math.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/
  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/
  Lessons, animations and explanations on just about any middle school and high school math topic you could need!
- FunBrain
  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/
  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	Algebra Champ
Your Teacher	Ooops
24 Game	Pocket Algebra
Khan Archiver	Sushi Monster
Rocket Math	Shuttle Mission Math
Graphing Calculator	And many more!
BrainPop	

NOTES:
Remember to show your work.

JUNE 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
			3 Fill in the missing number. 56.7 + .89 - ___ = 1.29 Write your answer in word form.	4 Simplify: $(6 \times 3) + 376 \div 8 - 5 + 4^3$	5 Find four fractions between $\frac{1}{10}$ and $\frac{1}{8}$ Hint: Find common denominators	6
7	8 545 is halfway between 350 and what number?	9 Give three examples of a prime number greater than 50.	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 A jacket costs $75.00. It is on sale for 30% off. If you give the cashier $60.00, calculate the amount of money she will return to you.	12 GCF (17, 34)= GCF (45, 60)=	13
14	15 Find the prime factorization of the following: 84, 98, and 310.	16 What is 25% of 80? What is 10% of 560? 8 is ____% of 12.	17 Express the fraction $\frac{7}{20}$ and $\frac{5}{9}$ as a decimal and as a percent.	18 Find the mean, median, mode, and range of the following set of numbers: 94, 96, 78, 90.	19 If three pies require 2 dozen apples, then four pies require ___ dozen apples.	20
21	22 Evaluate: 5.7 + 6.09 = 9.03 − 1.5 = 5.5 − 3.01 =	23 Round to the value in **bold**. **6**,708 8.**9**6 8**0**3,985 0.7**4**4	24 If the area of a rectangle equals 30 cm^2 and the perimeter is equal to 26 cm. Find the length and width of the rectangle.	25 If the mean, median, and mode are all equal for the following set, what is the value of x? {4, 9, 7, 8, x}	26 Find the area of a square with a perimeter measuring 120cm.	27

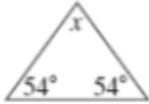*"The only way to*

learn

mathematics

is to

do

mathematics."

- Paul Halmos

NOTES:
Remember to show your work.

JULY 2020

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29 Divide $$\frac{3}{4} \div \frac{1}{2} =$$	30 Evaluate this algebraic Expression if x= 5.6 and y= 9.3 3x + 4y =	1 Solve: 324 X 45	2 What is the value of angle x? 54° 54°	3 $1\frac{3}{4}$, $3\frac{1}{2}$, 7, ___ , 28 In the above pattern, what number belongs between 7 and 28?	4
5	6 Find the area: 21 cm, 32 cm, 13 cm, 46 cm	7 LCM (9, 15)= LCM (6, 18)=	8 Find the factors of 60: Find the factors of 45: Name the GCF:	9 Find two numbers that have 2, 5, and 7 as factors.	10 The sum of two odd numbers is 28. the product of the two numbers is 115. What are the two numbers?	11
12	13 Draw pentagon. Draw trapezoid.	14 Multiply: $$4\frac{2}{3} \times 6\frac{3}{4} =$$	15 Find the area and the circumference of the circle to the nearest tenth: The radius of the circle is 2cm.	16 Find the area and perimeter of a rectangle with length measuring 14 cm and width measuring 5 more than twice the length.	17 Place parentheses in the Following equation to make it true. 6+6÷6x6-6=0	18
19	20 Draw a quadrilateral that Has only one set of parallel sides.	21 Calculate the volume: 1 ft. 4 ft. 7 ft.	22 Simplify: $(12 + 14) \times 8 \div (8^2 \div 4^2) =$	23 Add: $$7\frac{1}{5} + 1\frac{3}{15} =$$	24 What is the value of n? $$\frac{4}{5} < \frac{n}{7} < \frac{8}{9}$$	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 ÷ 7 =	29 Round to the place value in **bold**. **5**2,788 81.**0**7 2,9**1**2,865 0.8**3**1	30 What is a fraction between ¼ and ½? Prove your answer on a number line.	31 Hint: Find common denominators Solve: $(6\frac{1}{8} + \frac{2}{3}) - 3\frac{11}{12} =$	