Summer Math Fun: Going into Grade 6

Dear Student and Family,

You have learned so much in math this year! It is important to keep practicing your mathematical knowledge during the summer to be ready to enter your next grade. In this packet you will find short and fun math activities that will help you review and maintain math skills learned throughout this past year.

This summer math review is a calendar for the months of July and August. All you have to do is follow the daily calendar and complete at least three of the activities per week, every week. Keep a notebook or write answers on the back of this sheet and have your parents initial each day you complete. Rise to the challenge and feel free to have your family help you too! **Hand your work into your teacher during the first week of school.**

The list of websites below are places you can go to further practice and improve your math skills and get ready for the challenge of next school year!

- http://coolmath4kids.com
  This site is like an amusement park for math. There are lots of things for children to explore and problems to solve.
- http://www.webmath.com/
  Webmath is a math-help web site that generates answers to specific math questions and problems, as entered by a user, at any particular moment. This site has family activities, math help and much more.
- https://www.sumdog.com or use the free Sumdog app for tablet/phone
  Students love these math practice games! Sumdog has them practice a variety of math skills through various engaging games. Children can play against each other or against other kids from around the world. Free parent accounts to track your child's progress.
- http://learnzillion.com/
  LearnZillion is a learning platform that combines video lessons, assessments, and progress reporting. Each lesson highlights a Common Core standard, starting with math in grades 3-9.
  http://www.ixl.com/math/grades
  Ixl is a great site for fun interactive games and math practice focused by grade or standard.

Enjoy your summer and keep your skills sharp!

JULY 2018: Summer Math Fun: Going into Grade 6

Monday	Tuesday	Wednesday	Thursday	Friday
2 Tomorrow is July Fourth… What are five one-fourths equal to? _____ How many fourths equal 20? _____	**3 Estimate.** Show how you rounded the numbers. 4,321 + 2,197	**4 MAKE A NUMBER CHALLENGE** Example: *Use Four 9's to make **19*** Answer: $9 + 9 + \frac{9}{9} = $ **19** Use Three 3's to make 24	**5** Did you know that a camel does NOT store water in his hump? A camel can drink a lot of water very quickly though. If a camel drank 36 gallons in six minutes, how many gallons is he drinking in 1 minute?	**6** "Weekend Web Journey" **www.amathsdictionaryforkids.com** ENTER DICTIONARY and check out 1. equivalent fractions 2. decimal fractions (converter) 3. fraction notation 4. improper fraction (converter)
9 Write an equivalent fraction for each fraction. **Then** write the original fractions in order from least to greatest. $\frac{3}{5}$ = ---- $\frac{2}{3}$ = ---- $\frac{4}{7}$ = ---- $\frac{1}{4}$ = ---	**10 Order of Operations** Solve. 23 – (12-7) + 4 = If you need help visit www.ixl.com Find the SEARCH box and type in Order of Operations.	**11 Write an expression for each.** 3 times a number 12 less than twice y 4 more than z 18 divided by a number	**12 CONVERTING MEASURES** | Feet	Inches
---	---
1	
3	36
5	
	84		**13** "Weekend Web Journey" **www.coolmath4kids.com** ENTER Brain Benders and Check out the GO ROBOTS game There's some crazy gravity going on and you need to choose the right sequence of moves to help the Bots.
16 MAKE A NUMBER CHALLENGE Use Six 1's to make 99 Use Five 2's to make 88	**17 Measurement:** You bought a gallon of milk for cereal. How many quarts in a gallon? How many ounces in a quart? How many ounces in a gallon?	**18 Measurement:** Measure the Length, Width, and Height of a Cereal Box to the nearest inch. How many cubic inches can the box hold? *Remember:* Volume is L×W×H or B×H.	**19 Guess My Shape** Because my sides are equal, people think I'm a square but I'm not. I do have two sets of parallel sides though. What's my name? _____	**20** "Weekend Web Journey" **www.sumdog.com** There's a little work to signing up but it's free. And there are some great math games. Mom and dad will probably need to help you out. If you can, sign up and start playing games.
23 **Estimate.** Show how you rounded the numbers. $43.21 x 7	**24 MAKE A NUMBER CHALLENGE** Use Seven 9's to make 1000 Use Four 5's to make 6	**25 Mixed Numbers/Improper Fractions** Ask mom or dad if they have any recipes that call for a measurement that is a mixed number. *i.e. 2 ¼ cups =* $\frac{9}{4}$ Can you name 10 mixed numbers and their equivalent improper fractions?	**26 MULTIPLICATION** *What pattern do you see?* 30 x 10 =_____ 3 x 10 = _____ 0.3 x 10 =_____ 0.03 x 10 = _____	**27** "Weekend Web Journey" www.xpmath.com CLICK on MEASUREMENT, then go to Minecraft Volume. See how quickly you can calculate the volume of each rectangular prism.
30 Days in July This month had 31 days. How many other months have 31 days? How many other months have less than 31 days?	**31** MAKE A NUMBER CHALLENGE Use Two 6's to make 10 (Hint: use division and a decimal)			

AUGUST 2018: Summer Math Fun: Going into Grade 6

Monday	*Tuesday*	Wednesday	Thursday	Friday
		1 Coordinate Graphs Review Did you realize this calendar is like a Coordinate Grid? Practice finding coordinate points by going to: www.ixl.com Click on Sixth Grade and then Scroll way down to Q.1. Coordinate Graph Review	**2 Add** the following fractions. Remember to change to common denominators first. $$\frac{3}{5} + \frac{2}{3} =$$ $$\frac{4}{7} + \frac{1}{4} =$$	**3 "Weekend Web Journey"** www.ixl.com ENTER "multiply fractions with models" and then click on N.5 for fifth grade. How many can you answer correctly? Try to create a story problem to match one of your models.
6 Estimate the Difference. Show how you rounded the numbers before subtracting. $$\begin{array}{r} 2,121 \\ -\ \ 196 \end{array}$$	**7 Sketch My Shape** I am not a parallelogram. I have 1 set of parallel sides. I have two right angles. Draw me below. What is my name?	**8 Exponents** Simplify each expression below. 543×10^3 65×10^2	**9 Order of Operations** **Solve.** $24 \div 3 + 4 \times 5$ **Solve.** $(15 + 7) - 9 \div 3$	**10 "Weekend Web Journey"** Google Search: Find the Seating Capacity for Fenway Park (Red Sox) and Yankee Stadium. What stadium seats more people? By how many people?
13 CONVERTING MEASURES <table><tr><td>Yards</td><td>Feet</td></tr><tr><td>3</td><td></td></tr><tr><td>6</td><td>18</td></tr><tr><td></td><td>27</td></tr><tr><td>12</td><td></td></tr></table>	**14 Fractions** Simplify each fraction. $$\frac{12}{18} = \qquad \frac{16}{18} = \qquad \frac{24}{32} =$$	**15 Guess My Shape** I have four congruent sides, but do not have any right angles. What's my name?_____ Draw me!	**16 Get Some Ice Cream** After a day at the park, your family stops by the ice cream truck before leaving. If everyone in your family buys an ice cream that costs $1.75, how much would you spend?	**17 "Weekend Web Journey"** www.ixl.com Find the SEARCH box and type in Order of Operations. You should get a list of topics. Click on the simplify expressions using order of operations with parenthesis for fifth grade.
20 MAKE A NUMBER CHALLENGE Make 100 with five of the same digit (for example, five 3's)	**21 Order of Operations** **Solve.** $27 - 3 \times 5$ **Solve.** $6 + 7 - 3 \div 3$ **Solve.** $3 \times 8 - (12 - 2)$	**22 The Summer is almost over. Great Job keeping your Math Skills fresh with these activities. Your choice today. Check out your favorite day/activity or website.**	**23 Guess My Number** I am Not 42 but I am an EVEN number. I am more than 25 but less than 50. I am a multiple of 6 but do not have a digit 3. _____	**24 "Weekend Web Journey"** www.ixl.com ENTER "classify quadrilaterals" and click on CC.5 by fifth grade: How many quadrilaterals can you recognize?