

ENTERING 7TH GRADE SUMMER MATH

DEAR 7TH GRADERS,

There are TWO PARTS to your summer math:

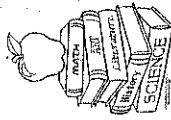
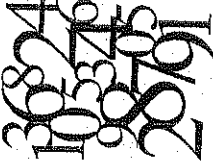
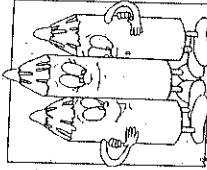
1. There is a packet with weekly math problems for July and August. An answer sheet is included to show work and write answers. (If you need additional space, use loose-leaf and attach it to your work.
2. KHAN ACADEMY = 10 hours. To reinforce math skills in the areas (addition, subtraction, multiplication and division) of decimals, fractions, positive and negative numbers. Please practice skills in these areas. The majority of the 10 hours should be skill practice and a small portion of time may be instructional videos.

Enjoy your Summer!

Mrs. Broderick

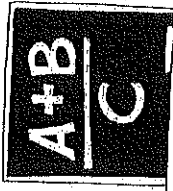
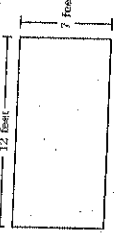
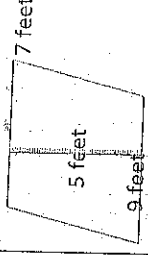
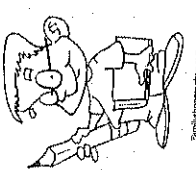
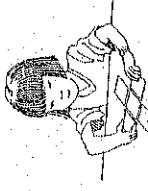
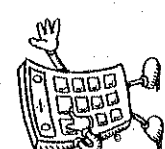
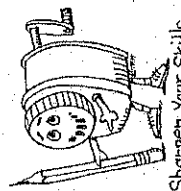
Name: _____

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<p>July Week #1</p>	<p>Which fraction is equivalent to $\frac{10}{15}$?</p> <p>$\frac{11}{16}$ $\frac{2}{3}$ $\frac{100}{200}$ $\frac{8}{13}$</p>	<p>Use $<$, $>$, or $=$ to fill in the blank.</p> <p>4.2 _____ 4.19</p>	<p>Compute: $3 + (4 \times 6)$</p>	<p>Write the number 47,785 in expanded form</p>	<p>There are 14 boys and 10 girls in the classroom. What is the fraction of students in the classroom who are girls?</p>	<p>Weekend Work: List as many situations you can think of that can be described or represented using negative numbers.</p> 
<p>July Week #2</p>	<p>Which pattern follows the rule: multiply the previous number by 4 and then add 2 to the result</p> <p>A. 1, 3, 5, 7 B. 1, 10, 14, 18 C. 1, 6, 26, 106 D. 1, 6, 104, 424</p>	<p>Find the greatest common factor for 24 and 16.</p> 	<p>compute: $(6 + 3)^2$</p>	<p>Determine the pattern and identify the next number. 1, 8, 15, 22, ...</p> 	<p>The expression below shows the total cost of Δ adult tickets and μ child tickets to a movie. $(\mu \times 9.00) + (\Delta \times 7.50)$</p> <p>What is the total cost of 12 adult tickets and 10 child tickets?</p>	<p>Weekend Work: Play this game with a family member. Take two coins. Flip them both. Player 1 wins if one is heads and one is tails. Player 2 wins if they are both heads. Flip again if they are both tails. Play 10 times. Is it a fair game?</p>
<p>July Week #3</p>	<p>What is $24.2 + 36.145$?</p>	<p>What is $7.1 - 0.8$?</p>	<p>What is $41 - 0.052$?</p>	<p>From the list of numbers below, which is the largest number? 4.4, 2.3, 4, 3.6</p>	<p>What is 7.9×0.83?</p>	<p>Weekend Work: Use each of the digits 0-9 exactly once. Make two decimal numbers whose sum is close to 5 and whose difference is close to 1.</p>
<p>July Week #4</p>	<p>What number should go between 35 and 61 in the following arithmetic progression? 35, _____, 61, 74, 87</p>	<p>Sam is 37 years older than Dennis. If Sam is 55 years old now, how old is Dennis?</p>	<p>From the following integers, which integer is the largest? -4, 2, 8, -10</p>	<p>What is 8×4.57?</p>	<p>The total weight of a shipment of 15 boxes is 2,250 lbs. Each box has the same weight. How many lbs. did one box weigh?</p>	<p>Weekend Work: Using the digits 5-9 make the largest product possible. ____ x ____ =</p>

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<p>August Week #1</p> <p>Rosa volunteered at a local nursing home for 20 days. She worked for $1\frac{1}{4}$ hours each day. How many total hours did Rosa volunteer at the nursing home?</p> <p>Which number is divisible by 3?</p> <p>A. 82 B. 157 C. 116 D. 83 E. 132</p>	<p>8 is what percent of 10?</p> 	<p>What is the prime factorization of 42?</p>	<p>Compute: $3 + (-21)$</p>	<p>Weekend Work: Make the smallest 3 digit number that has factors 2, 3, 4, 5</p>
<p>August Week #2</p> <p>A garden snail can travel about 5 feet in 2 minutes. At this speed, how far can it travel in one hour?</p>	<p>The circular ring of a circus has a radius of 10 feet.</p> <p>What is the diameter, in feet, of the ring?</p>	<p>Ms. Lindquist bought a rug with the dimensions shown below.</p>  <p>What is the area, in square feet, of the rug?</p>	<p>What is the perimeter of the figure below?</p> 	<p>Weekend Work: Is every square a rectangle? Explain.</p>
<p>August Week #3</p> <p>Convert 0.74 into a fraction.</p> 	<p>225 students have hamburger as their favorite food. This is 25% of the total surveyed. How many students in total were surveyed?</p>	<p>Which of the following fractions is the greatest.</p> <p>$\frac{3}{4}$, $\frac{2}{9}$, $\frac{3}{8}$, $\frac{2}{10}$</p>	<p>What is 75% of 50?</p> 	<p>Weekend Work: Ask your parents to go out to dinner. When the bill comes, offer to calculate the tip (15% - 20%). Price of meal: Tip: Total:</p>
<p>August Week #4</p> <p>What is 31,169 rounded to the nearest ten-thousand?</p> 	<p>Jordan has a machine part that is thirty-two thousandths of an inch thick. What is thirty-two thousandths written as a decimal?</p>	<p>Round the following number to the tenths place 6.92.</p>  <p>Sharpen Your Skills</p>	<p>Melissa worked on a subtraction problem. When she rounded each whole to the nearest was 8. What was the subtraction problem?</p> <p>a. $24.89 - 16.16$ b. $24.89 - 16.38$ c. $24.89 - 17.16$ d. $24.89 - 17.68$</p>	<p>Weekend Work: Kate is thinking about a four-digit number. The hundreds place is a multiple of three. All the digits are odd. The ones digit is the same as the thousands digit. The thousands place is two greater than the hundreds place. And, the tens place is the product of 3 and 3.</p>

SUMMER MATH ANSWER SHEET

NAME _____

JULY WEEK 1						WEEKEND WORK
JULY WEEK 2						WEEKEND WORK
JULY WEEK 3						WEEKEND WORK
JULY WEEK 4						WEEKEND WORK

SUMMER MATH ANSWER SHEET

NAME _____

AUGUST WEEK 1						WEEKEND WORK
AUGUST WEEK 2						WEEKEND WORK
AUGUST WEEK 3						WEEKEND WORK
AUGUST WEEK 4						WEEKEND WORK