

ENTERING 8TH GRADE SUMMER MATH

DEAR 8TH 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

	Monday	Tuesday	Wednesday	Thursday	Friday	Time spent doing this week's work
July Week # 1	Regular: Simplify the following fraction: $\frac{24}{140}$ Challenge: Simplify the following fraction: $\frac{-1240}{140}$	Simplify. $13 + 4 \cdot 6$ $-13 + 4^2 \cdot 6$	Use the Distributive Property. $5(x + 1)$	Find the sum. $3.4 + 1.2 + 1.1$	Convert to a percent and decimal. $\frac{3}{8}$	
July Week # 2	Regular: Find the greatest common factor of 24 and 72. Challenge: Find the greatest common factor of 168 and 720.	Convert to a decimal and fraction (in simplest form). 24% Convert to a decimal and fraction (in simplest form). $.03\%$	Find the sum. $\frac{4}{5} + \frac{1}{8}$ Find the sum. $-2\frac{4}{5} + \frac{1}{4}$	Find the difference. $13.4 - 6.9 - 1$ Find the difference. $28.6 - .032 - 9.79$	Combine like terms. $2y + 4y + 4x + 12y$ Combine like terms. $-34a + 45 - 27a + 2b$	

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	Time spent doing this week's work
July Week # 4	<p>Regular: Find the least common multiple of 12 and 15.</p> <p>Challenge: Find the least common multiple of 25 and 36.</p>	<p>Find the product. $4.03 \cdot .2$</p> <p>Find the product. $78.9 \cdot 6.58$</p>	<p>Convert to a fraction and percent. .125</p> <p>Convert to a fraction and percent. 2.08</p>	<p>Find the difference. $5\frac{4}{6} - 2\frac{1}{4}$</p> <p>Find the difference. $5\frac{1}{6} - 2\frac{5}{8}$</p>	<p>Simplify. $7 + 5 \cdot (4 - 3)$</p> <p>Simplify. $7^2 + [5 + 2(4 + 3^3)]$</p>	
July Week # 3	<p>Regular: Write the number one hundred thirty-five thousand ten.</p> <p>Challenge: Write the number seven million twenty-four and seven thousandths.</p>	<p>Find the quotient. $7\frac{3}{8} \div \frac{3}{4}$</p> <p>Find the quotient. $3\frac{1}{3} \div -2\frac{1}{2}$</p>	<p>Find the value of x. $\frac{3}{27} = \frac{x}{54}$</p> <p>Find the value of x. Cody bought 5 packages of raspberries for \$6.25. How many packages of raspberries can Sunjae buy if she has \$18?</p>	<p>Find the quotient. $32.4 \div 8.1$</p> <p>Find the quotient. $15.12 \div 4.2$</p>	<p>Find the product. $\frac{4}{5} \cdot \frac{9}{12} \cdot \frac{6}{15}$</p> <p>Find the product. $2\frac{5}{8} \cdot 2\frac{2}{7}$</p>	

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August Week # 1	<p>Regular: Simplify the following fraction: $\frac{24}{282}$</p> <p>Challenge: Simplify the following fraction: $\frac{-2778}{-14}$</p>	<p>Simplify. $4^3 - 6 \cdot 2$</p> <p>Simplify. $-23 + (31 - 19)^2$</p>	<p>Find the area.</p>  <p>Height = 1.4 inches Base = 2 inches</p> <p>Find the area.</p>  <p>$2\frac{5}{8}$ cm $1\frac{1}{2}$ cm</p>	<p>Find the sum. $8.9 + -3.2$</p> <p>Find the sum. $8.9 + -17.3 + 0.192$</p>	<p>Convert to a percent and decimal. $\frac{7}{5}$</p> <p>Convert to a percent and decimal. $\frac{53}{25}$</p>	
August Week # 2	<p>Regular: Find the greatest common factor of 17 and 21.</p> <p>Challenge: Find the greatest common factor of 111 and 851.</p>	<p>Convert to a decimal and fraction (in simplest form). 32%</p> <p>Convert to a decimal and fraction (in simplest form). 1.05%</p>	<p>Find the sum. $\frac{4}{15} + \frac{1}{9}$</p> <p>Find the sum. $-2\frac{4}{10} + 3\frac{1}{5}$</p>	<p>Find the difference. $24.4 - (-6.9)$</p> <p>Find the difference. $.125 - 3 - 2.8$</p>	<p>Find the perimeter of a regular heptagon with side length 2.5 inches.</p> <p>Find the perimeter of a regular decagon with side length $4\frac{1}{3}$ inches.</p>	

Monday	Tuesday	Wednesday	Thursday	Friday	Time spent doing this week's work.
<p>Regular: Find the least common multiple of 24 and 124.</p> <p>Challenge: Find the least common multiple of 35 and 168.</p>	<p>Find the product. $2.01 \cdot 1.03$</p> <p>Find the product. $718.003 \cdot .58$</p>	<p>Convert to a fraction and percent. 3.6</p> <p>Convert to a fraction and percent. .0013</p>	<p>Find the difference. $3\frac{2}{7} - 2\frac{3}{8}$</p> <p>Find the difference. $2\frac{1}{12} - 2\frac{5}{8}$</p>	<p>Simplify. $3^5 - 2^3 \cdot 4$</p> <p>Simplify. $-3 + \frac{2}{3} \cdot 6^2$</p>	
<p>Regular: Find the prime factorization of 235.</p> <p>Challenge: Find the prime factorization of 782.</p>	<p>Find the quotient. $2 \div 1\frac{4}{5}$</p> <p>Find the quotient. $3\frac{3}{6} \div 2\frac{1}{2} \div \frac{-2}{3}$</p>	<p>Find the value of x. $\frac{4}{7} = \frac{x}{56}$</p> <p>Find the value of x. Jake travelled at a speed of 45 mph and it took him 1.5 hours to get to Roller Kingdom. If he travels at the same rate how long will it take him to travel 200 miles?</p>	<p>Find the quotient. Round the answer to the nearest tenth. $3.58 \div .81$</p> <p>Find the quotient. Round the answer to the nearest tenth. $8.9 \div .0034$</p>	<p>Find the product. $\frac{3}{10} \cdot \frac{5}{72} \cdot \frac{20}{15}$</p> <p>Find the product. $3\frac{2}{5} \cdot 2\frac{2}{7} \cdot 5\frac{1}{3}$</p>	

Week # 4

August

Week # 3

August

ANSWER SHEET

NAME _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Time spent doing this week's work
August Week # 1						
August Week # 2						

ANSWER SHEET

NAME _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Time spent doing this week's work
August Week # 3						
August Week # 4						

ANSWER SHEET

NAME _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Time spent doing this week's work
JULY Week # 1						
July Week # 2						

ANSWER SHEET

NAME _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Time spent doing this week's work
JULY Week # 3						
July Week # 4						