SUMMER MATH CALENDAR

LEAVING 6th GRADE

Get ready to discover math all around you this summer!

Just as students benefit from reading throughout the summer, it is also beneficial for them to engage in math activities. Research shows that students better maintain and strengthen their math skills through regular and meaningful practices.

Attached is a math calendar with activities to explore this summer. In addition, our school subscribes to IXL. In order for you to access this website, you will need your child's username and password.

IXL Username_____

Password_____

This packet contains calendar pages for June, July, and August. I encourage you to do each of the activities. Color each box as it is done or write the answer in the box, if possible.

Please have your child complete these activities and play the math games. There is a blank calendar for your child to write their answers and show their work.

Please return the signed calendars to your child's new teacher in September.

While working with your child, ask your child how he or she found a solution and why he or she chose a particular strategy.

I hope that you enjoy the activities, extend them, create new ones, and have fun!

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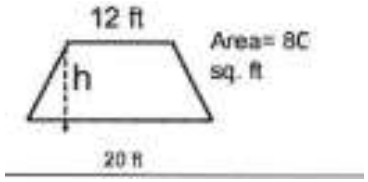
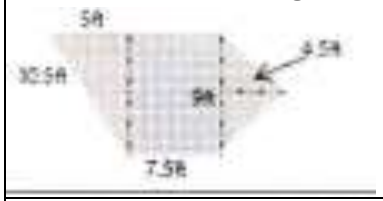
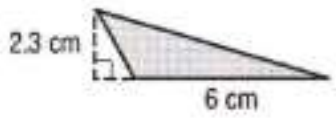
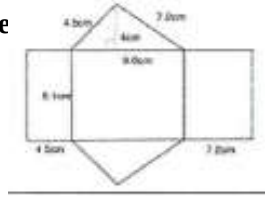
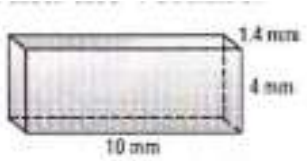
JUNE

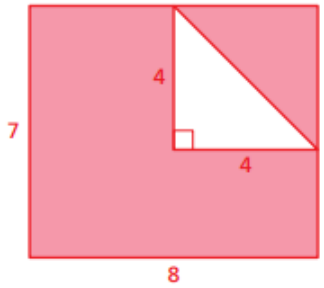
Monday	Tuesday	Wednesday	Thursday	Friday
Evaluate the expression when a = 7. **4a**	**Find the GCF of this set of numbers:** **16 and 24**	**Find the LCM of this set of numbers:** **5 and 10**	**A class has 5 boys and 15 girls. What is the ratio of boys to girls?**	**David printed 24 photos in 8 minutes. How many photos did he print per minute?**
Evaluate the expression if a = 2, b = 3, and c = 4. **2a + 4b - c**	**Find the height.** 	**Find the product:** **13.08 x 0.7**	**On Thursday the high temperature was 4°C. If it was 6 degrees colder on Friday, what was the temperature?**	**Graph the ordered pairs.** **(-3, -1) (1, -1) (1, 5)**
What is the outlier of the data that shows the high temperature of the last ten days? 	**Find the mean, median, and mode of the test scores below.** 		**BONUS:** **Which expression is equivalent to 56x – 28y + 42?** **a. 8(7x – 3y + 6)** **b. 7(8x + 4y + 6z)** **c. 7(8x – 4y +6)**	

JULY

Monday	Tuesday	Wednesday	Thursday	Friday
Find the length and width. **Perimeter of square: 30 mm**	**Solve the inequality.** $9n \geq 63$	**Find the GCF of this set of numbers.** **12 and 42**	**Find the product:** **1.14 x 0.86**	**Write and solve an inequality that means a number plus four is greater than or equal to twelve.**
Find the area of the figure. 	**Anna bought a sweater at 40% off the original price. If she paid $12, what was the original price of the sweater?**	**Use parentheses to make this statement true.** $47 = 7^2 – 17 + 15$	**If it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours?**	**Find the LCM of this set of numbers.** **8 and 12**
Multiply. **63.4 x 9**	**Find the area.** 	**Divide. Round to the nearest tenth if necessary.** **44.64 ÷ 2**	**Jimmy can run 3.5 miles in 20 minutes. How far can he run in one hour and ten minutes?**	**Write a statistical question about ice cream.**
Find the LCM of this set of numbers. **8 and 9**	**Solve.** 6.543×10^3	**An animal shelter has 36 kittens and 12 puppies available for adoption. What is the ratio of kittens to puppies?**	**Nelson decorated 72 cookies in 36 minutes. How many cookies did he decorate per minute?**	**Evaluate the expression if a = 2, b = 3, and c = 4.** $6(a + c) – b$
Which is colder, -3º or -13º? How much colder is that degree?	**Find the value of the following:** 2^4 4^3 6^4	**Solve for the variable.** $3r + 2 = 35$	**An aquarium tank's dimensions are $3\frac{1}{4}$ ft x 2 ft x $1\frac{3}{4}$ ft. What is the volume of the aquarium tank?**	**Find the absolute value.** **a. -4** **b. 6**

AUGUST

Monday	Tuesday	Wednesday	Thursday	Friday
Evaluate the expression. $16 + 3^2 \times 2$	**Find the area.** 	**Solve.** $\frac{3}{4} \times \frac{12}{16}$	**Write the improper fraction as a mixed number.** $\frac{13}{6}$	**Express this percent as a decimal.** 21%
Multiply. 3.7 x 2.1	**Find the surface area of this figure** 	**Divide. Round to the nearest tenth if necessary.** 2.102 ÷ 0.4	**It is recommended that for every 8 sq. ft. of surface, a pond should have 2 fish. A pond that has a surface of 72 sq. ft. should contain how many fish?**	**Use parentheses to make this statement true.** 36 ÷ 6 – 2 = 9
Write 2 ratios equivalent to $\frac{2}{5}$.	**Solve.** 3.32×10^2	**Write this as an expression: three times two plus five.**	**Divide.** 4,464 ÷ 6	**Multiply.** 12.8 x 1.9
Find the sum. 532.74 + 319.281	**The area of the garden was $2\frac{2}{5}$ yd^2. If the length is $1\frac{1}{2}$ yd., find the width.**	**Name the 3D figure. Find the volume.** 	**Simplify the following:** $7 + 2 \cdot 5$	**Find the difference.** 604.11 – 57.989

Use parentheses to make this statement true. **$6^2 - 3 \times 8 + 2 = 14$**	**Find the area of the shaded region.**  	**What is 15% of 36?**	**Solve the inequality. Graph the solution.** **X + 1 > 3**	**Convert 36 quarts to gallon.** **(1 gallon = 4 quart)**

JUNE ANSWERS – SHOW YOUR WORK

Monday	Tuesday	Wednesday	Thursday	Friday

JULY ANSWERS – SHOW YOUR WORK

Monday	Tuesday	Wednesday	Thursday	Friday

AUGUST ANSWERS – SHOW YOUR WORK

Monday	Tuesday	Wednesday	Thursday	Friday
