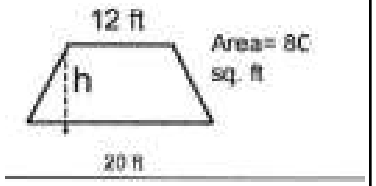
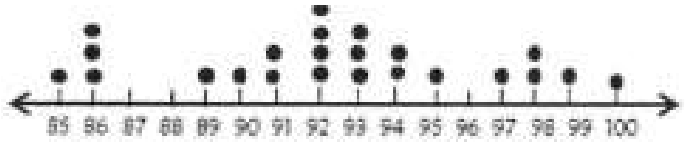
LEAVING 6th GRADE SUMMER MATH CALENDAR

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

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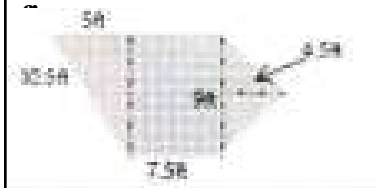
Find the length and width. **Perimeter of square: 30 mm**	**Solve the inequality.** $9n \geq 63$	**Find the GCF of this set of numbers.** **12 and 42**	**Find the product:** **1.14 x 0.86**	**Write and solve an inequality that means a number plus four is greater than or equal to twelve.**
Find the area of the 	**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, -3° or -13°? 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

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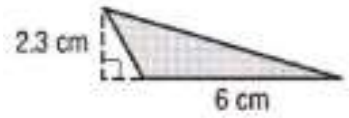
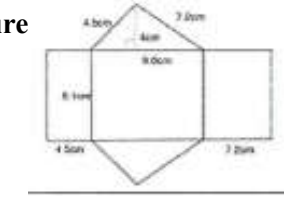
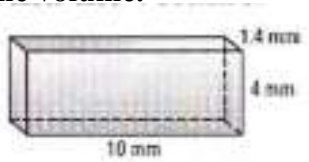
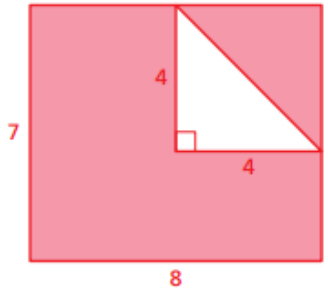
Evaluate the expression. $16 + 3^2 \times 2$	**Find the area.** 	**Solve.** $\frac{3}{4} \times \frac{12}{16}$	**Write the improper fraction as a mixed number.** $\frac{13}{6}$	**Express this percent as a decimal.** 21%
Multiply. 3.7 x 2.1	**Find the surface area of this figure** 	**Divide. Round to 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 $2\frac{2}{5}$ yd². 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

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JULY ANSWERS – SHOW YOUR WORK

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AUGUST ANSWERS – SHOW YOUR WORK

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