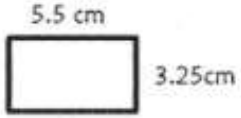
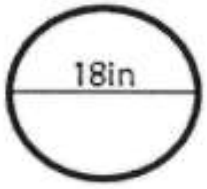
LEAVING 7th GRADE MATH CALENDAR

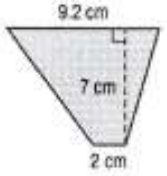
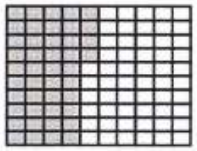
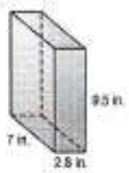
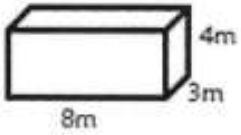
JUNE

Monday	Tuesday	Wednesday	Thursday	Friday
Order the numbers from least to greatest. $-\frac{3}{4}, 0.5, \frac{2}{3}, -\frac{7}{3}, 1.5$	**Give the sum or difference.** **a. 8 – 15** **b. -8 + 15** **c. -8 + -15**	**Simplify each expression by combining like terms.** **a. 11x – 7 – 3x + 4** **b. 2a + (-8b) – 6a + b**	**Find the width of a rectangular prism if the volume is 546 cm^3, the height is 7 cm and the length is 13 cm.**	**It takes Billy fifteen minutes to complete $\frac{1}{8}$ of a recipe. At this rate, how long will it take him to complete the recipe?**
A convenience store company would like to know what flavor slushy children ages 8-11 prefer. The company decides to ask students in grades 3-5 at Six to Six Magnet School. Identify which group is the population and which is the sample.	**Complete the table that shows a proportional relationship between the amount of small boxes of popcorn and candy sold at a movie theater.** Candy (small boxes) | Popcorn (small boxes) | 24 12 | 96 48 | | 528	**Trail mix made for three people uses 3 cups of almonds, 1 cup of raisins and 1/3 cup of chocolate chips. If the same ratio of ingredients is used for twelve people, how much of each ingredient is needed?**	**Solve each inequality.** **a. x + 4 < 16** **b. -2 > x + 3** **c. $\frac{1}{2}(x + 4) \leq 14$**	**Find a new perimeter and area if the shape is enlarged by a scale factor of two.** 
When Sarah invests $4,000 in a money market account she receives 1.4% simple interest annually. If she doesn't add or subtract any money, how much interest will she earn after 4 years?	**Find the area and radius of the circle below:** 		**BONUS:** **Ashley earns $9 an hour babysitting. She wants to buy a 16 GB iPhone that is $120. Ashley has saved $45 so far. How many more hours of babysitting does she need to do to earn the rest to purchase the iPhone?**	

JULY

Monday	Tuesday	Wednesday	Thursday	Friday
		Solve for the variable. $\frac{3}{4}x = -24$	**Expand the expression using the distributive property.** $2(5x - 3)$	**Simplify the expression.** $-72 \div 8 + (-6) - 2$
An item is marked down by 25%. What percentage of the original cost will you pay?	**What is the property that best matches the following:** $13 + -13 = 0$	**Find the diameter of a circle if the area is 153.86 m^2. Use 3.14 for pi.**	**Factor by using the GCF.** $36x + 81$	**Solve each inequality.** a. $3x < -24$ b. $14 \leq -7x$
A bag of jellybeans contains 6 red, 4 orange, 5 pink, 3 green, and 2 white jellybeans. What is the probability of choosing 1 pink jellybean at random?	**Simplify each complex fraction.** a.) $\frac{2\frac{1}{4}}{1\frac{1}{8}}$ b.) $\frac{7\frac{1}{3}}{4}$	**Translate into an equation and solve.** **Three more than the product of a number and 4 is 15. Find the number.**	**Max and two friends are going to a concert. The total cost is $186. If there is a $24 service fee, write and solve an equation to find out how much one ticket is.**	**A rectangular pyramid is sliced by a plane parallel to its base. What shape is shown from the cross section?**
Divide. Write the answer in simplest form. $-2\frac{1}{3} \div 1\frac{1}{12}$	**Find the unit rate.** **150 pounds in 15 months**	**Solve & check.** $-7y + 3 = -25$	**Write this ratio as a fraction in simplest form.** **12 feet: 10 yards**	**Choose the best unit price:** **$12.95 for 3 lbs. of candy** **$21.45 for 5 lbs. of candy**
Solve for the variable. $\frac{w}{-12} = 3$	**Nancy sold a house for $225,900 and earned 4% commission. How much did Nancy earn for the sale of this house?**	**Write each number in standard form.** $7.86 \cdot 10^2$	**75% of my family loves pizza. How would you represent this as a decimal?**	**Four cookie recipes require different amounts of chocolate chips: 1/2 cup, 2/3 cup, 1/4 cup, and 1/3 cup. List these amounts in order from least to greatest.**

AUGUST

Monday	Tuesday	Wednesday	Thursday	Friday
What percent of 60 is 15?	**Solve and check.** $\frac{n}{-4} + 5 = -1$	**Simplify the expression.** $-4 + (-32) \div (-4 \cdot 4)$	**Find the product.** -7×6	**Six Flags New England has 25,562 riders on its Batman rollercoaster every day. Round this number to the nearest hundred.**
The asking price on a house was $350,000. Because it was on the market for six months it finally sold for $297,500. What percentage of the original price was it sold for?	**Write the ratio as a fraction in simplest form.** **75 seconds: 2 minutes**	**Find the area.** 	**What percent represents the amount of the grid that is sha** 	**Find the surface area and volum** 
Round 2.347 to the nearest tenth.	**Simplify.** $28 \div 7(5) =$	**Write the number in standard form.** $2.9 \cdot 10^6$	**Solve and check.** $6r + 1 = -17$	**Solve.** $5\frac{1}{3} + 2\frac{5}{6}$
Find the surface area of the given prism: 	**Solve and check.** $4 = 4 + 7y$	**Aubrey wants to buy a new coat that has a regular price of $185. This weekend, the coat is on sale at a 33% discount. What is the sale price of the coat?**	**The cargo-carrying part of Billy's truck has a length of 8.3 meters, a width of 3 meters, and a height of 4.2 meters. What is the maximum volume of sand that Billy's truck can carry?**	**1/4 of our math class hates broccoli. How would you write this as a percentage?**
Simplify. $3 \cdot 4(5 - 3.8) + 2.7$	**Is $\frac{1}{6}$ a terminating or repeating decimal. Explain.**		**Solve.** $8.79 - 4.07$	**Flip a water bottle 50 times. Record your results. What is the experimental probability of the bottle landing flat on a surface?**

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