Keeping Skills Sharp Over Summer As You
Fall Into Math

8th Grade

Name: _____ Math Teacher: _____

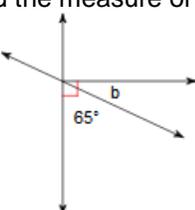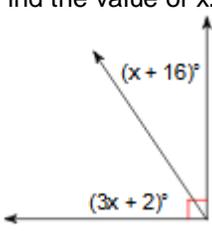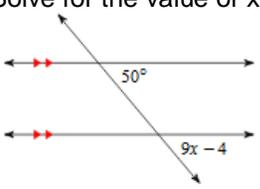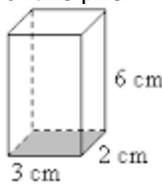| Suggested Timeline Follows But Allows for Flexibility With Your Summer/Fall Schedule	Fall Into Math Sheet Is Due No Later Than September 27, 2019	Double Check Your Work •••••••••••••••••••••• Do your answers make sense?	Parent Signature Upon Completion _____
Please show all work	**You may attach a separate sheet of paper.**	**No calculators, please.**	**Use a pencil in case you make mistakes.**
Week of June 10th ⬇	**Week of June 17th** ⬇	**Week of June 24th** ⬇	**Week of July 1st** ⬇
Fill in the Blank 96 inches = _____ feet	How long will it take you to drive 175 miles at a speed of 25 miles per hour?	Simplify: $-\frac{2}{5}+\frac{4}{3}=$	Use Order of Operations to simplify. $4^2 - (28 \div 7) + 111$
Janet has 17 quarters and $13 in bills. How much total money does she have?	Use the diagram to find the solution to 4 + (−7) 	Multiply: $\left(-\frac{4}{9}\right)\left(-\frac{5}{8}\right)$	Simplify: $\left(2\frac{3}{5}\right) \div \left(-3\frac{3}{4}\right)$
Reduce the fractions $\frac{32}{68}$ $\frac{22}{28}$ $\frac{21}{49}$	Convert $\frac{2}{3}$ to a decimal by long division.	There are two couches against a wall. If one takes up $\frac{4}{9}$ of the wall and the other takes up $\frac{1}{5}$ of the wall, how much of the wall is covered by couches?	Solve the equation: $15 = 2y - 5$
Simplify the following expression: -7(3e − 2f + 4) + 6e -2	Solve the equation: $-3(x - 5) = 45$	A store is selling cookies for $8 for 12 bags. How much will it cost if you want to buy 30 for your class?	Solve: $4k - 2 - k = 10$
What would the total bill be of a lunch that costs $7.99 with a tax rate of 7%?	Solve: $6 - 2x > -14$	What is the unit rate for the table showing the cost of movies? | Movies/week	4	5	7	8
Cost $	11	13.75	19.25	22		Jon walked 8 miles in 3 hours. Jim walked 14 miles in 5 hours. Are these rates in proportion? If no, who walked faster?
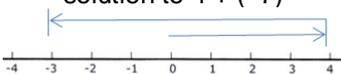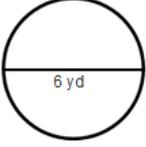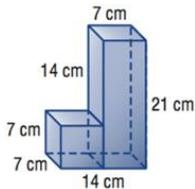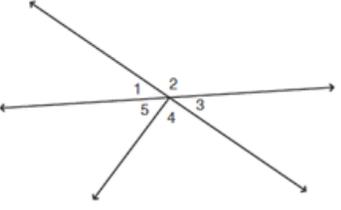
Week of July 8th	Week of July 15th	Week of July 22nd	Week of July 29th
⬇	⬇	⬇	⬇
The proportion of red marbles to blue marbles in a jar is 2 to 5. If there are 35 blue marbles in the jar, how many red marbles are there?	Bill is a car salesman. He earns $200 for every car he sells plus a 3% commission. If Bill sells 3 cars in one week for a total of $32,343, what are his total earnings for the week?	Solve: $90 \geq -9(w + 3)$	Luisa sells stuffed animals. She sells a stuffed elephant for $34.90, and the sales tax is 6% of the sale price. About how much is the sales tax on the elephant?
The lengths of two sides of a triangle are 4 and 6. Which measurement _**cannot**_ be the length of the third side? A) 6 B) 4 C) 3 D) 2	What is the shape of the cross section? 	 6 yd Area _____ Circumference_____	A circle has a diameter of 14 meters. What is the circumference?
Which of these side lengths will **NOT** form a triangle? A) 3 in, 4 in, 5 in B) 6 in, 6 in, 6 in C) 3 in, 5 in, 9 in D) 35 in, 42 in, 56 in	A milk carton is 30cm long, 10cm wide and 50cm high. How much milk can it hold?	What is the volume of the container? 7 cm, 14 cm, 21 cm, 7 cm, 7 cm, 14 cm	Which $\angle's$ are vertical?
Find the measure of $\angle B$. b, 65°	Find the value of x. (x + 16)° (3x + 2)°	Solve for the value of x. 50° 9x − 4	Find the median and mean of the data. 14, 15, 13, 14, 24, 23, 22
What is the surface area of this prism? 6 cm, 2 cm, 3 cm	A bag contains 3 blue and 2 green marbles. What is the probability of drawing a blue marble followed by a green marble, without replacing the first marble?	 8, 1, 7, 2, 6, 3, 5, 4 What is the probability of spinning once and having it land on either 1 or 7? What is the probability of spinning once and having it land on either 3 or a number greater than 5? Find P (prime number).	A pair of dice is rolled. What is the probability that a 3 shows up on the first one and an even number shows up on the second one?