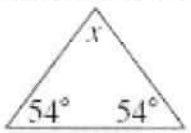
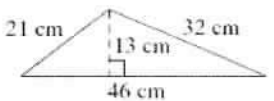
Summer Math Activities for students completing 6th or 7th grade.

	23 Math Activities for keeping your skills fresh during vacation. ☺	**Activity 1** Find the factors of 60: Find the factors of 45: Name the GCF:	**Activity 2** Find two numbers that have 2, 5, and 7 as factors. Hint: one possible answer would be 140	**Activity 3** Solve: $(6\frac{1}{8}+\frac{2}{3})-3\frac{11}{12}=$ Hint: Find common denominators	**Activity 4** Fill in the missing number. 56.7 + .89 - ?=1.29 Write your answer in word form:	
	Activity 5 Simplify: $(6\times3)+376\div8-5+4^3$ Hint: Use the "funnel" method	**Activity 6** Find four fractions between $\frac{1}{10}$ and $\frac{1}{8}$ Hint: Find common denominators and rename the fractions	**Activity 7** 545 is halfway between 350 and what number?	**Activity 8** Give three examples of prime numbers greater than 50: Hint: A prime number had only two factors, one and itself	**Activity 9** A jacket costs $75.00. It is on sale for 30% off. If you give the cashier $60.00, calculate the amount of money she will return to you.	
	**Activity 10** GCF (17, 34) = GCF (45, 60) = Example: GCF (15, 35) = 5 Hint:It is helpful to list the factors of each number. Use the answer from July 1st	**Activity 11** Find the prime factorization of each of the following: A. 84 B. 98 C. 310 (use the prime factor tree method)	**Activity 12** What is 25% of 80? What is 10% of 560? 8 is ____ % of 12	**Activity 13** Express the fraction $\frac{17}{20}$ and $\frac{5}{9}$ as a decimal and as a percent. Hint: Divide the number by the denominator if it isn't a factor of 10, 100 or 1000	**Activity 14** Find the mean, median, mode, and range of the following set. {94, 96, 78, 90} Mean = add all data, divide by # of scores Median = the middle score after data is arranges in order Mode= the most common score in the data	
	Activity 15 If three pies require 2 dozen apples, then four pies require ___ dozen apples.	**Activity 16** If the area of a rectangle equals $30cm^2$ and the perimeter is equal to 26cm. Find the length and width of the rectangle.	**Activity 17** If the mean, median, and mode are all equal for the following set, what is the value of x? {4,9,7,8,x}	**Activity 18** Find the area of a square with a perimeter measuring 120 cm.	**Activity 19** Divide: $\frac{3}{4}\div\frac{1}{2}=$	
	Activity 20 What is the value of angle x? 	**Activity 21** Find the area: 	**Activity 22** LCM (9, 15) = LCM (6, 18) = LCM = least common multiple	**Activity 23** Double all of the ingredients in Martha's cookie recipe in the next box.	**Martha's Cookie Recipe** 1 cup shortening 2 eggs $\frac{1}{4}$ cup white sugar $\frac{1}{4}$ cup brown sugar $1\frac{1}{2}$ cups flour 1 teaspoon vanilla	

Summer Math Activities for students completing 6th or 7th grade

Activity #	
1	60: 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60 45: 1, 3, 5, 9, 15, 45 gcf: 15
2	7,210 infinite possibilities must be a multiple of 70
3	$2\frac{21}{24}$
4	56.3
5	124
6	$\frac{3}{25}$ $\frac{11}{100}$ $\frac{9}{80}$ infinite possibilities Use common denom. or convert to dec.
7	740
8	53, 59, 61
9	$7.50
10	34, 180
11	$84 = 2^2 \times 3 \times 7$ $98 = 2 \times 7^2$ $310 = 2 \times 5 \times 31$
12	20, 56, 75%

Activity #	
13	$\frac{17}{20} = 85\% = .85$ $5/9 = 55\frac{5}{9}\% = .\overline{55}$
14	mean = 89.5 median = 92 mode = none
15	32 apples
16	3cm and 10cm
17	7
18	900 cm^2
19	$1\frac{1}{2}$
20	72°
21	299cm
22	LCM = 45 (9, 15) LCM = 36 (6, 18)
23	2 c shortening, 4 eggs ½ c white sugar, ½ c. br. sugar 3 c. flour, 2 tsp. vanilla