

# Sixth Grade Math Pacing Guide 2015-2016

Months	SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER				JANUARY				FEBRUARY				MARCH				APRIL				MAY				JUNE	
Week #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
<b>Computations</b>	Area Review (2 weeks) Expressions and Number Properties (3 weeks)				Expressions and Number Properties (con't.) Mini-Unit on Adding and Subtracting Fractions (8 days) Multiplying and Dividing Fractions (1 week)				Multiplying and Dividing fractions (3 weeks) Multiplying and Dividing Decimals (1 week)				Multiplying and Dividing Decimals (3 week)				Fractions, Decimals, and Percents (4 weeks)				Ratios, Rates, and Data Analysis (4 weeks) <b>Circles and Area (1 week)</b>				Circles and Area (2 weeks) Equations (2 weeks)				Equations (2 weeks) Inequalities (2 Weeks)				Inequalities (2 Weeks) Tables, Graphs and Functions (2 weeks)				Tables, Graphs, and Functions 2 weeks (con't)	
<b>Problem Solving (examples of questions)</b>	<b>LAWNS:</b> You earn 15n dollars for mowing n lawns. How much do you earn for mowing 1 lawn? 7 lawns?				<b>RACE CAR:</b> The height of a race car is $46\frac{2}{3}$ in. A model of the race car is $2\frac{7}{9}$ in. tall. How many times greater is the height of the racecar than the height of the model?				<b>SAND:</b> You use 38 buckets of sand to bury your friend at the beach. Your bucket holds 8.2 lbs. of sand. Estimate how many pounds of sand you use. Is your estimate too little or too much?				<b>MUSIC:</b> 36% of the songs on your MP3 player are pop songs. Write this percent as a decimal.  <b>Integrated Physics Project</b>				<b>LIGHTENING:</b> Lightening strikes earth 100 times/second. What is the rate in strikes per minute?				<b>PIZZA:</b> The diameter of a pizza is 16 in. What is the area?  <b>GOLF:</b> You hit a golf ball 90 yards. It travels $\frac{3}{4}$ of the distance to the hole. Write an equation you can use to find the distance d from the tee to the hole.  <b>Celebrate Pi Day</b>				<b>AIR TRAVEL:</b> Your carry-on bag can weigh at most 40 lbs. Write and solve an inequality to represent how much more weight you can add to the bag and still meet the requirement.				<b>SPEED:</b> A Scrub-J flies at a rate of 18 feet per second. Write an equation that relates the distance d traveled in s seconds.									
<b>Writing (examples of questions)</b>	Describe and correct the error in evaluating the expression when $m=8$ .				Describe and correct the error in finding the product.				Show another way to estimate the quotient. Explain your steps.				Describe and correct the error in writing .86 as a percent.				Describe and correct the error in writing an equivalent ratio.				No Writing in Circles and Area Describe the error in writing this sentence as an equation: "A number n is 5 more than 12."				Describe and correct the error in solving the inequality: "28 is greater than or equal to t-9"				Describe and correct the error in checking whether (13,3) is a solution of $y=3x + 4$									
<b>Key Vocab</b>	Numerical & algebraic expressions; evaluate; equivalent expressions; formula;				underestimate; overestimate; compatible numbers; reciprocals; terminating & repeating decimals				Quotient; Divident; Divisor				Percent				ratio; equivalent ratios; rate; unit rate; unit cost; mean; outlier; measure of central tendency; median; mode; range				Circle; center; radius diameter; circumference; pi; semicircle; composite figure  equation; solution; inverse operations; two-step equation; terms; like terms; rectangular prism; volume; cubic units				inequality; solution of an inequality; solution set; graph of an inequality				input; output; function; mapping diagram; function rule; input-output table; graph; linear function									