



Hattiesburg Public School District

Grade 5 Mathematics Units

2015 – 2016



Unit 4: Coordinate and Expressions	Time Frame: 3 Weeks (Sept 29-Oct 13)
Content Standards	Standards for Mathematical Practice
Major Standards	
	(1) Make sense of problems and persevere in solving them.
Supporting Standards	(2) Reason abstractly and quantitatively.
5.MD.1 Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real world problems.	(3) Construct viable arguments and critique the reasoning of others.
Additional Standards	(4) Model with mathematics.
5.G.1 Use a pair of perpendicular number lines, called axes, to define a coordinate system, with the intersection of the lines (the origin) arranged to coincide with the 0 on each line and a given point in the plane located by using an ordered pair of numbers, called its coordinates. Understand that the first number indicates how far to travel from the origin in the direction of one axis, and the second number indicates how far to travel in the direction of the second axis, with the convention that the names of the two axes and the coordinates correspond (e.g., x-axis and x-coordinate, y-axis and y-coordinate).	(5) Use appropriate tools strategically.
5.G.2 Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.	(6) Attend to precision.
	(7) Look for and make use of structure.
	(8) Look for and express regularity in repeated reasoning.



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<p>5.OA.3 Generate two numerical patterns using two given rules. Identify apparent relationships between corresponding terms. Form ordered pairs consisting of corresponding terms from the two patterns, and graph the ordered pairs on a coordinate plane.</p>				
<p>Pre-requisite Standards</p>				
Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Lesson Topic: Understand the Coordinate Plane Standard Ref: 5.G.1	Lesson Topic: Name and Locate Points on a Coordinate Plane Standard Ref: 5.G.1	Lesson Topic: Identify Ordered Pairs Standard Ref: 5.G.1, 5.OA.3	Lesson Topic: Show Relationships on a Coordinate Plane Standard Ref: 5.G.1, 5.OA.3	Lesson Topic: Solve Problems on the Coordinate Plane Standard Ref: 5.G.2
Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
Lesson Topic: Metric Conversions using Multiplication Standard Ref: 5.MD.1, 5.OA.3	Lesson Topic: Metric Conversions using Division Standard Ref: 5.MD.1, 5.OA.3	Lesson Topic: Customary Conversions using Multiplication Standard Ref: 5.MD.1, 5.OA.3	Lesson Topic: Customary Conversions using Division Standard Ref: 5.MD.1, 5.OA.3	Lesson Topic: Solve Multi-Step Word Problems Involving Conversions Standard Ref: 5.MD.2, 5.OA.3
Performance Task				