SD148 CCSS Summer Portfolio: Math 6th-8th Grade Activity 1: Understanding the Standards for Mathematical Practice

<u>Goals</u>

- The participant will understand the Standards for Mathematical Practice
- The participant will describe the Standards for Mathematical Practice in term of student work at their grade level

Purpose

- To read and understand the Standards for Mathematical Practice.
- To analyze each standard and to create activities for student performance at grade level

Procedure:

- 1. Read the Standards for Mathematical Practices on p.6-8
- 2. Complete the **Major Concepts of the Standards for Mathematical Practice** column on the graphic organizer, giving two or three of the major concepts for each of the standards
- Read "Connecting the Standards for Mathematical Practice to the Standards for Mathematical Content" on p. 8. Consider the reading as you complete the What might this look like in student work at your grade level column on the graphic organizer, giving two or three examples of student performance for each of the standards
- 4. Place the completed graphic organizer in your portfolio

Timeline:

Read the Standards for Mathematical Practice and complete the activity 2 hours

SD148 CCSS Summer Portfolio: Math 6th -8th Grade Activity 1: Understanding the Standards for Mathematical Practice (use p. 6-8)

Standard for Mathematical Practice	Major Concepts in this Standard for Mathematical Practice (2 or 3 concepts)	What might this look like in student work at your grade level? (2 or 3 examples) Grade
Make sense of problems and persevere in solving them		
Reason abstractly		
and quantitatively		

Standard for	Major Concepts in this Standard for	What might this look like in
Mathematical	Mathematical Practice	student work at your grade
Practice	(2 or 3 concepts)	level?
		(2 or 3 examples) Grade
Construct viable		
arguments and		
critique the		
reasoning of others		
Model with		
mathematics		

Standard for	Major Concepts in this Standard for	What might this look like in
Mathematical	Mathematical Practice	student work at your grade
Practice	(2 or 3 concepts)	level?
		(2 or 3 examples) Grade
Use appropriate tools		
strategically		
Attend to precision		

Standard for Mathematical Practice	Major Concepts in this Standard for Mathematical Practice (2 or 3 concepts)	What might this look like in student work at your grade level?
Look for and make use of structure		(2 or 3 examples) Grade
Look for and express		
regularity in repeated reasoning		