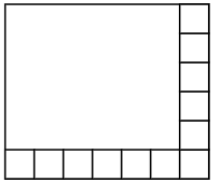
Unit 5: Area and Perimeter Applications
5 weeks

Big Idea: In this unit we are using multiplication properties (distributive & commutative) to calculate the area of polygons and complex figures. In addition we are calculating the perimeter of hanks!various polygons. We will solve real world two step problems that may include multiples of 10 and the associative property.

Day	Date	Standards	Critical Lesson Objective(s)/Topics/Big Ideas/Success Criteria	Materials/Resources/Differentiation G3 Math Calendar Unit Template Misc. Resources IAR Library	Person Responsible	Reflection
1	Monday Jan 9th	3.MD.7→ Day One 3.OA.5 (Commutative and Distributive Properties) 3.OA.8	**Success Criteria** • Find the area of a figure using square units	3.md.7 Day One Slides - intro to Area Homework Grid Activity Area introduction: discovery activity Rectangle on the board and have students come up to post a post-it to fill the rectangle to find the area. Irregular figures on paper and have students cover them to find the area using centimeter cubes. Introduce vocabulary: Area, length, width, sidelength, unit squares, square units.	Feda - will add elapsed time problem.	
2	Tuesday Jan 10th *Erins law	3.MD.7 3.OA.5 (Commutative and	**Success Criteria** • Find the area of a figure by multiplying the side lengths	Provide students with colored tiles and direct them to cover their whiteboard. Make sure to not give them enough to cover the whole	Robin - add answer key to include the	

	presentation 9:20-9:50	Distributive Properties) 3.OA.8	• **Look at rectangles in different ways to find the area**	board to force students to find the length and width to multiply together. Focus conversation on what information do we need in order to find area (length and width/side lengths) Rectangles that are tiled and identify the length and width and then area. Eventually give problems with just the length and width tiled.  Figure 1 Slides Homework **Differentiation:**	commutative property. Done	
3	Wednesday Jan 11th Team Day	3.MD.7 3.OA.5 (Commutative and Distributive Properties) 3.OA.8	**Success Criteria** • **Find the area of a figure by multiplying the side lengths** • **Look at rectangles in different ways to find the area**	Find the area of rectangles if the length and width is given. Examples should include word problems and rectangles without tiling. Slides Homework **Differentiation: Blockout Game**	Mia - add answer to have the commutative property- Done	

4	Thursday Jan 12th	3.MD.7 3.OA.5 (Commutative and Distributive Properties) 3.OA.8	**Success Criteria** • Find the area of a figure using square units • Find the area of a figure by multiplying the side lengths • Look at rectangles in different ways to find the area • Find the area of a figure by multiplying the side lengths • Look at rectangles in different ways to find the area	Review Homework	Rachel - add answer to have the commutative property	
5	Friday Jan 13th	3.MD.7 3.OA.5 (Commutative and Distributive Properties) 3.OA.8	**Success Criteria** • Find the area of a figure using square units • Find the area of a figure by multiplying the side lengths • Look at rectangles in different ways to find the area • Find the area of a figure by multiplying the side lengths • Look at rectangles in different ways to find the area • Find the area of complex figures.	Review & Quiz 1 Unit 5 Quiz 1 Unit 5 Quiz 1 Rubric		
6	Tuesday Jan 17th	3.MD.7	**Success Criteria** • Find the area of complex figures	Find the area of complex figures. Slides Homework		

			• I can use the distributive property to find the area of a rectangle • I can partition complex figures to find the total area			
7	Wednesday Jan 18th	3.MD.7	**Success Criteria** • Find the area of complex figures • I can use the distributive property to find the area of a rectangle • I can partition complex figures to find the total area	Find the area of complex figures. Slides (for each problem students should write their answer including how they found it using the distributive property sheet below) Homework Slides with Pear Deck Distributive Property Sleeve Insert Exit Ticket		
8	Thursday Jan 19th	3.MD.7	**Success Criteria** • Find the area of complex figures • I can use the distributive property to find the area of a rectangle • I can partition complex figures to find the total area	Create an area model Continue on from area model of day 6 Create a packet since we are out in the PM **Matching activity - see Katie** packet Homework **Virtual Area Model site**	Kelli - add distribute property to each question.	Homework link goes to Google Drive? I fixed it! Sorry!-KP
9	Friday Jan 20th	3.MD.7	**Success Criteria** • Find the area of complex figures • I can use the distributive property to find the area of a rectangle	Unit 6 PreTest Go over packet Review		

			• I can partition complex figures to find the total area			
10	Monday Jan 23rd	3.MD.7	Success Criteria None	Unit 5 Quiz 2 Rubric Quiz 2 #2 Work Area to be collected Homework **Differentiation:** Homework (Slide 1, Slide 2) 3.MD.7 Practice -use or toss!	--	
11	Tuesday Jan 24th	3.MD.8	**Success Criteria** • I can find the perimeter of a polygon by adding the side lengths • I can use the perimeter to find the unknown side length of a polygon	Intro Brainpop Jr. Slides Homework **Differentiation:** **Perimeter-** Instructional		
12	Wednesday Jan 25th	3.MD.8	**Success Criteria** • I can find the perimeter of a polygon by adding the side lengths • I can use the perimeter to find the unknown side length of a polygon	Slides Homework - add multiplication & division facts as back side of homework **Differentiation:** **Perimeter-** Instructional		

13	Thursday Jan 26th	3.MD.8	**Success Criteria** • I can find the perimeter of a polygon by adding the side lengths • I can use the perimeter to find the unknown side length of a polygon	Slides Jan 21, 2022 **Differentiation:** 3F Slides **Perimeter**- Instructional		
14	Friday Jan 27th	3.MD.8	**Success Criteria** • I can find the perimeter of a polygon by adding the side lengths • I can use the perimeter to find the unknown side length of a polygon	Slides Slides with peardeck Homework **Differentiation:** **Perimeter**- Instructional		
15	Monday Jan. 30	3.MD.8	**Success Criteria** • I can find the perimeter of a polygon by adding the side lengths • I can use the perimeter to find the unknown side length of a polygon • I can compare and contrast the area and perimeter of different polygons	Intro Slides Floor Plan Recording Sheet & Questions Homework: Multiply by 9's Worksheet (I put a copy in your mailbox) Type II (page 3-4) **Perimeter**- Instructional		
16	Tuesday January 31	3.MD.8	**Success Criteria** • I can compare and contrast the area and perimeter of different polygons	Floor Plan Recording Sheet & Questions Unit 5 Quiz 3 Rubric		
17	Wednesday February 1	3.MD.8	**Success Criteria** • I can compare and contrast the area and perimeter of	Slides similar to question 6 on Assessment Slides		*3.NBT.3 are on these slides but this standard

	TEAM DAY		different polygons	Slides with Peardeck Homework Review Activity **Differentiation:**		has not been introduced yet. -KP The Review Activity also has 5x90, etc. which isn't introduced until tomorrow. Can we change that? - RJ
18	Thursday February 2	3.OA.5 (Associative Property) 3.NBT.3 3.OA.8	**Success Criteria** • I can multiply numbers in different orders • I can multiply single digit numbers by multiples of tens. • I can understand the steps needed to solve a word problem. • I can use all four operations to solve multi-step problems.	Slides plus can use formative below for extra practice. Formative Slides with Peardeck With base ten blocks. Students model 3 x 20. 3 groups of 2 ten rods. And they count to get to 60. Teacher records: 3 x 20 = ?, 3 x 2 = ?, 6 tens = 60. **Differentiation: Use manipulatives** Multiplying by multiples of ten slides using pictures of base ten blocks		
19	Friday February 3	3.OA.5 (Associative Property) 3.NBT.3 3.OA.8	**Success Criteria** • I can multiple numbers in different orders • I can multiply single digit numbers by multiples of tens. • I can understand the steps needed to solve a word problem.	Slides Same problems as day 1 but make sure context is included. This time students will write 4 x 50 = ?, 4 groups of 5 tens = 20 tens (200) IAR type question Slides with Peardeck Homework		

20	Monday February 6	3.OA.5 (Associative Property) 3.NBT.3 3.OA.8	**Success Criteria** • I can multiple numbers in different orders • I can multiply single digit numbers by multiples of tens. • I can understand the steps needed to solve a word problem.	HC - Slides 3 x 50 = (3x5) x10 = 3 x (5 x 10) *Will need graph paper for activity! Graph paper in iReady Teacher Toolbox Homework Type II - Administer it and bring student work to Thursday's PD. Continue working on problems like day 1 and 2. Include number string: 3 x 2, 3 x 20, and 3 x 200. **Differentiation:**		
21	Tuesday February 7	3.OA.5 (Associative Property) 3.NBT.3 3.OA.8	**Success Criteria** • I can multiple numbers in different orders • I can multiply single digit numbers by multiples of tens. • I can understand the steps needed to solve a word problem.	Slides slides with peardeck Area & Perimeter Formative		
23	Wednesday February 8	3.OA.5 (Associative Property) 3.NBT.3 3.OA.8	**Success Criteria** **All standards above.**	Review Slides -from last year two days Homework Review Review for Unit 5 Assessment Distributive Property Practice - last slide is dry erase template for practice		
24	Thursday February 9	3.OA.5 (Associative Property) 3.NBT.3	**Success Criteria** **All standards above.**	3.OA.8 Extra Practice Slides **- Tuesday slides** **Sharon Rak PD** Review for Unit 5 Assessment with the subs	Robin will take Tuesdays material on the slide and	

		3.OA.8		Review Packet	change it into an independent worksheet for kids.	
25	Friday February 10		**Success Criteria** **All standards above.**	Unit 5 Assessment Rubric		