West Deptford Township School District

Geometry Parent Guide and Resources for PEARSON

General Guidelines

- Math instruction now focuses more on problem solving, reasoning, and understanding in addition to efficient computation.
- Learning tasks are designed to develop concepts, not just promote
 efficient computation therefore a young child will build deep understanding that leads to
 better skills and fluency.
- 3. **Struggle means your child is learning**. When a student is putting in effort to think, the brain is creating new pathways and connections. We call this "cognitive sweat." In fact, the very first math standard for all K-12 students is *Make sense of problems* and **persevere** in solving them. Help your child build that perseverance by allowing him or her to work through a difficult problem solving task without first memorizing the shortcuts.

Homework Tips

- Communicate with your child to support when needed:
 - O Refer to notes from class.
 - O Note questions that were challenging.
- Parents should not be re-teaching during every assignment. See the next section for suggestions about ways you can help when you don't understand all the math.
- Use the many online tools from the program to support student work at home.



Online Resources

All of the following are available to students to support their learning:

- Khan Academy
- Desmos
- Mr. Stanwood's Google Classroom
- Online Textbook
- Online Glossary to define vocabulary



Assessments

Informal

- Homework
- Lesson Quiz



Formal

- Chapter Test/Quiz
- Midterm (10% of S1) & Final (10% of S2)

Skills Instructed by Chapter

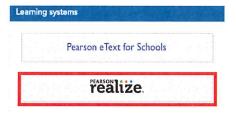
	Chapter Title	Common Core Co	enceptual Categories and Domai
1	Tools of Geometry	Geometry	Congruence Expressing Geometric Properties with Equations
2	Reasoning and Proof	Geometry	Congruence
3	Parallel and Perpendicular Lines	Geometry	Congruence Modeling with Geometry Expressing Geometric Properties with Equations
1	Congruent Triangles ,	Geometry	Similarity, Right Triangles, and Trigonometry
5	Relationships Within Triangles	Geometry	Congruence Similarity, Right Triangles, and Trigonometry Circles
5	Polygons and Quadrilaterals	Geometry	Congruence Similarity, Right Triangles, and Trigonometry Expressing Geometric Properties with Equations
7	Similarity	Geometry	Congruence Similarity, Right Triangles, and Trigonometry Expressing Geometric Properties with Equations
3	Right Triangles and Trigonometry	Geometry	Similarity, Right Triangles, and Trigonometry
)	Transformations	Geometry	Congruence Similarity, Right Triangles, and Trigonometry
)	Area	Geometry	Congruence Modeling with Geometry Expressing Geometric Properties with Equations Similarity, Right Triangles, and Trigonometry Geometric Measurement and Dimension
	Surface Area and Volume	Geometry	Geometric Measurement and Dimension Modeling with Geometry
	Circles	Geometry	Circles Expressing Geometric Properties with Equations Geometric Measurement and Dimension
	Probability	Statistics and Probability	Conditional Probability and the Rules of Probability Using Probability to Make Decisions

Supporting Your Child At Home

- Have your child log in to their Power Student/Parent Account
- Select "Pearson Courses" underneath the Navigation tab



Select "Pearson Realize"



Select "Classes" to view your work



Access assignments and additional math resources



Standards for Mathematical Practice: A Guide for Parents

4. Mode math	3. Constrargume critique reason others.	2. Reaso	 Make problem persented solving 	Practic
Model with mathematics.	Construct viable arguments and critique the reasoning of others.	Reason abstractly and quantitatively.	Make sense of problems and persevere in solving them.	Practice Standard
 use math to solve real world problems and problems with more than one solution. organize data to understand something happening in the real world. use "found" information to create and solve his own problems. 	 talk confidently about math using mathematical language fluently. practice math vocabulary. justify a solution by explaining its logic. give a counterexample to disprove a statement. recognize when logic is flawed and suggest ways to improve it. 	 break a problem apart and represent the parts with objects, pictures, words, or symbols. organize information in different ways. write number sentences to represent meaning. explain the meaning of symbols. 	 puzzle over the meaning of a problem. plan an outline of a solution path instead of just jumping in. start and stop and start again a different way. look at other problems she did to look for ideas. use concrete objects or pictures. 	What it Looks Like: Your child might
 Can you make a model of this with objects, pictures, or symbols? Is there an equation or expression that would represent part of this situation? What does that answer represent in real life? Is there something interesting we can find out from this collections. 	 What does your answer mean? How do you know your answer is correct? Are there other correct answers to this question? How do you know? If I told you the answer should be (give a wrong answer), how would you convince me I'm wrong? 	 Can you write an equation (number sentence) or expression to match the problem situation? What do the numbers or variables refer to? Can you explain that equation in words? How did you decide to use this operation? 	 What are you asked to figure out? Can you think of a problem you solved before that is like this one? What information is here that might be useful? What is your plan for solving this? Does your solution make sense? 	Questions to Ask

Your child might Your child might choose for herself when to use a tool such as a ruler, protractor, or calculator to help solve a problem. decide for herself when to use mental math, paper and pencil, a calculator, or computer program. use estimation appropriately.
choose for herself when to use a tool such as a ruler, protractor, or calculator to help solve a problem. decide for herself when to use mental math, paper and pencil, a calculator, or computer program. use estimation appropriately. use a table, graph, or spreadsheet to organize complex data.
• What tools can you use to help you solve this problem? • How can this tool help you? Is there a better tool? • How can you organize this information to help you solve the problem? • Is there a different way to organize it that might be better?

; e