

Shape Attributes

Shape Types

These activities extend the puzzles and the concepts learned in the puzzles throughout the week. The activities might be tasks, word problems, journal writing activities, or hands-on activities designed to deepen student understanding and help students make connections.

Some of the activities listed below work well in a remote environment and can be easily added to your virtual classroom. The activities that can be used remotely are designated as such.

	 Display one of each type of pattern block for students to see. Give students a set of one of each pattern block. Tell students you are going to give them clues so they can guess your Secret Shape. After each clue is read, students should remove any pattern block that doesn't match the clue. By the last clue, only the Secret Shape should be left. Round 1: 1.My shape has more than 3 angles. 2. My shape has 4 sides. 3. My shape has 4 equal sides. 4. My shape has 4 right angles. 5. My Secret Shape is asquare! Round 2: 1. My shape has more than 3 sides. 2. My shape has all equal sides. 3. My shape has no right angles. 4. My shape has 6 sides. 5. My Secret Shape is ahexagon! Round 3: 1. My shape has less than 6 sides. 2. My shape has all equal sides. 3. My shape has no right angle. 4. My shape has 3 sides. 5. My Secret Shape is ahexagon!
squar sites	 Put students into groups of 2-3. Give each group a pile of pattern blocks and several sticky notes. Ask each group to sort their pattern blocks into groups and write a label for each group on a sticky note (e.g., "quadrilaterals" or "equal sides"). Have each group put their sticky notes together in their own pile, not labeling each group in their sort. Have student groups switch places to look at a different group's sort. Students should use the completed sticky notes to label the sorts they see. When all of the groups have been labeled, walk around as a class and observe the sorts. Discuss whether students agree or disagree with the way the shapes have been sorted.
triangle pentagon hexagon octagon	 Give students a set of Shape Name Cards or have students make them with index cards, a whiteboard and a dry erase marker. Display the first puzzle in Level 1. Ask students to find all four shape names that are displayed in the puzzle. Ask students to identify the shape name that goes with the shape shown in the puzzle. Then ask students to draw a shape that would match each of the 3 remaining Shape Name Cards. Students should use the cards to label the shapes drawn on their whiteboards. Check students' answers and discuss the shapes' attributes. Repeat with the remaining puzzles in Level 1.
Quad Squad Define Important Ideas Examples Quadrilatoral Non Examples	 Give students the Quad Squad work mat and display puzzles from Level 2. Discuss the attributes of each shape in the puzzles. Have students complete the Quad Squad work mat as the class discusses the attributes of each shape. Have students complete the work mat with a partner. Discuss what they have discovered as a whole class.
Constraints FORMULE TALK Constraints Fre-Work Nerre: Constraints Solve 321 x 45 using two different strategies?	• If you are using Puzzle Talks as part of your remote learning plan, it is important to think about how to maximize the learning in the virtual environment. One strategy might be to do Pre-Work. Pre-Work encourages students to think about the concept prior to the Puzzle Talk.

Third Grade

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Date:







Quad Squad



Name:	Date:

Can shapes belong to more than one category? Why or why not? Explain.

The number of sides a shape has is a *defining characterstic*. The color of a shape is NOT a defining characteristic. What are other *defining characteristics* of a shape? Explain.

Are all squares rectangles? Are all rectangles squares? Why or why not? Use pictures and words to defend your answer.