

The Shape of Things

Level D

Jake and Mark are making a quadrilateral kite. They have a long stick. “We need to cut the stick so we have two sticks, and then we will tie them together,” Mark said. “But what shape will the kite be?” said Jake. “It depends on the size of each of these sticks and how they are tied together,” Mark replied. What does Mark mean? Explore the types of kites you can make using two sticks. List the different types of quadrilateral kites you can make and include sketches. Using geometry, explain how the sticks affect the shapes of the kites.

