A trip around the square

Name: _____ Date: _____

Adam drew a square on his paper. A little dot travelled along its edge. It followed a side, then turned at a corner. It did this four times and returned to the start. It had not crossed the middle, but it had travelled all the way around.

Talk and draw

Does turning the paper change a square's number of sides? Draw a square and show a dot's trip around it.

A trip around the square

Name: _____ Date: _____

Adam drew a large square and told his sister that a tiny dot wanted to travel around it. She placed a finger at one corner and followed the first side. Here was a change of direction. At each corner, she paused and followed the next side. Adam counted four sides and four corners. After the fourth side, the finger returned to the start. Adam turned the paper a little, making the square look as if it stood on a corner. Had the number of sides changed? They repeated the trip and found the same count. Adam drew a window inside the square. The dot now lived in a house with a window. The counting had finished, but the paper story continued.

Talk and draw

Does turning the paper change a square's number of sides? Draw a square and show a dot's trip around it.