



THE 2023 YOUNG MATHEMATICAL STORY AUTHOR (YMSA) COMPETITION

THE STUART J. MURPHY AWARD
(THE 8-11 YEARS OLD CATEGORY)

LONGLISTED

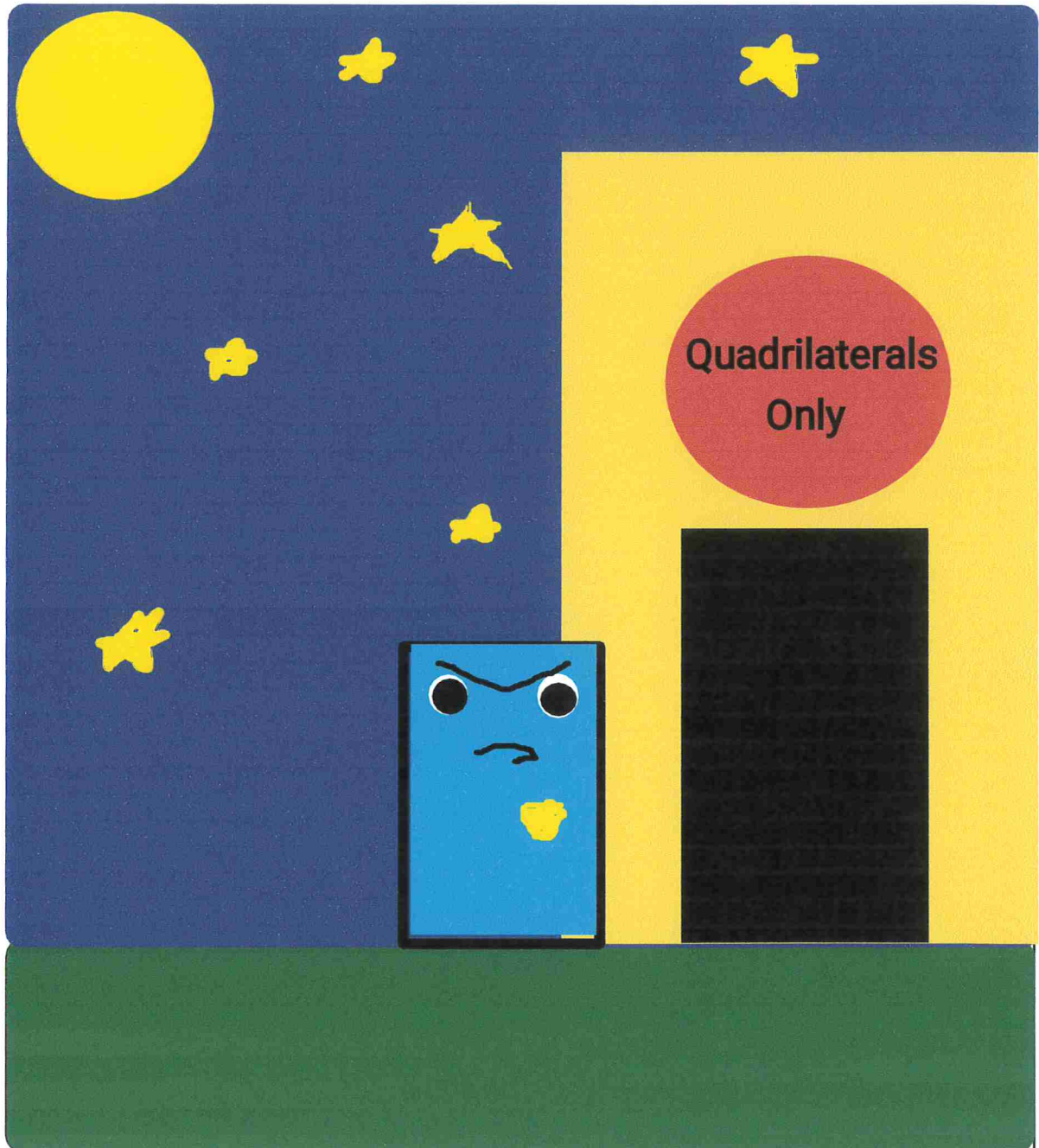
'Quadrilaterals Only' by Arianna Parmar (10 years old)
at Krishna Avanti Primary School (UK)

You can read the author's inspiration for the story and the judges' comments
on:

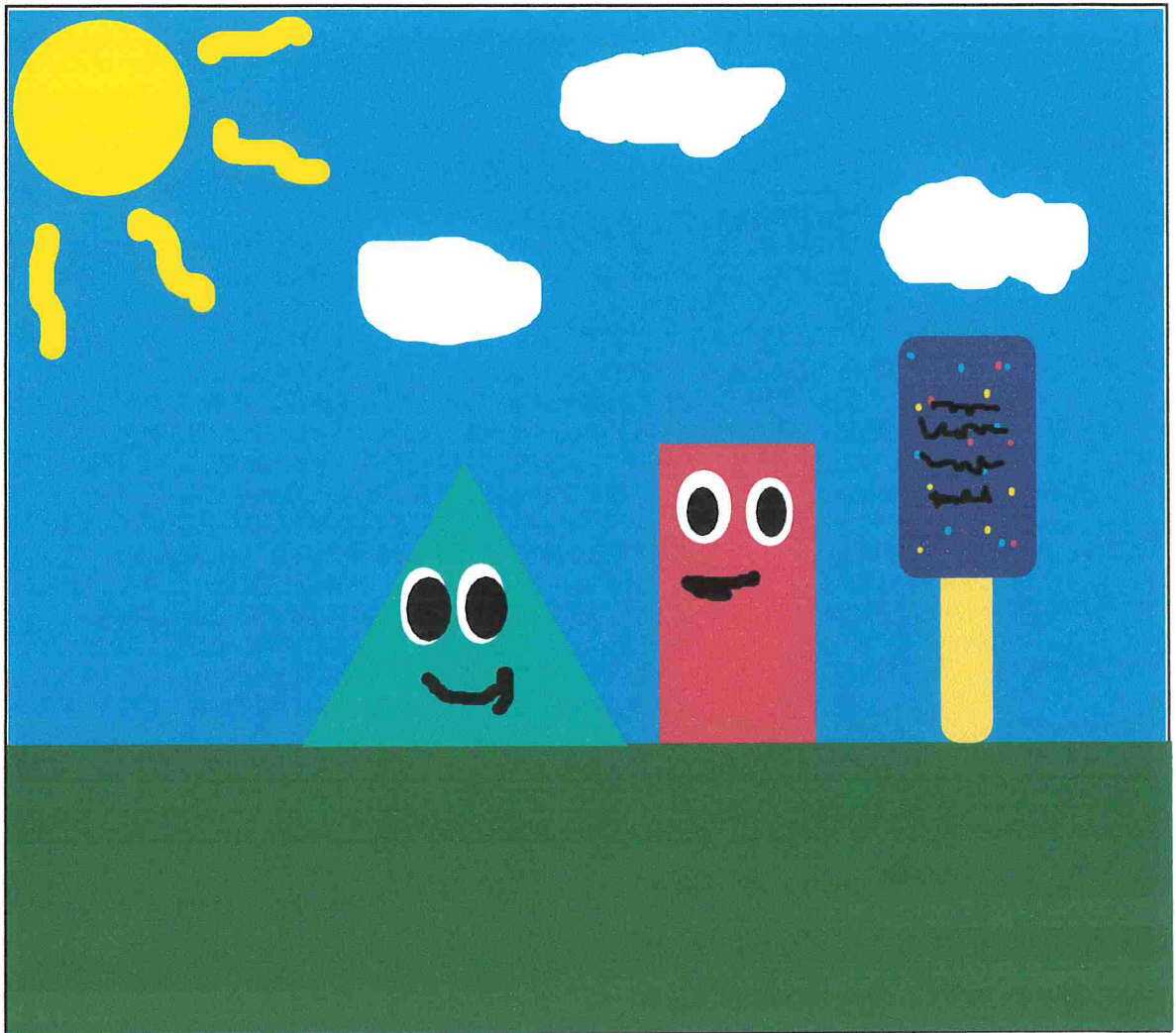
www.mathsthroughstories.org/ymsa2023

[#YMSAMaths](https://twitter.com/YMSAMaths)

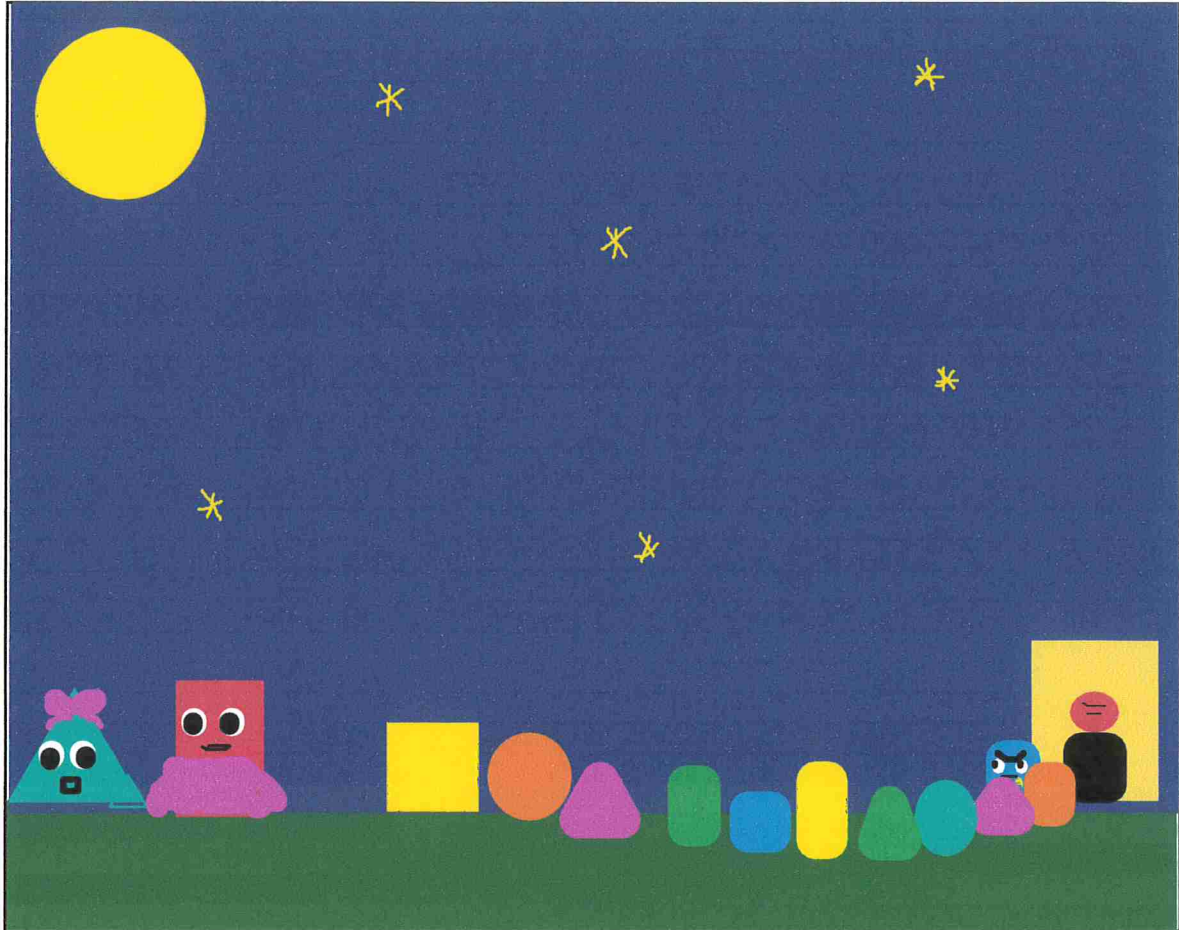
----- *Quadrilaterals Only* -----



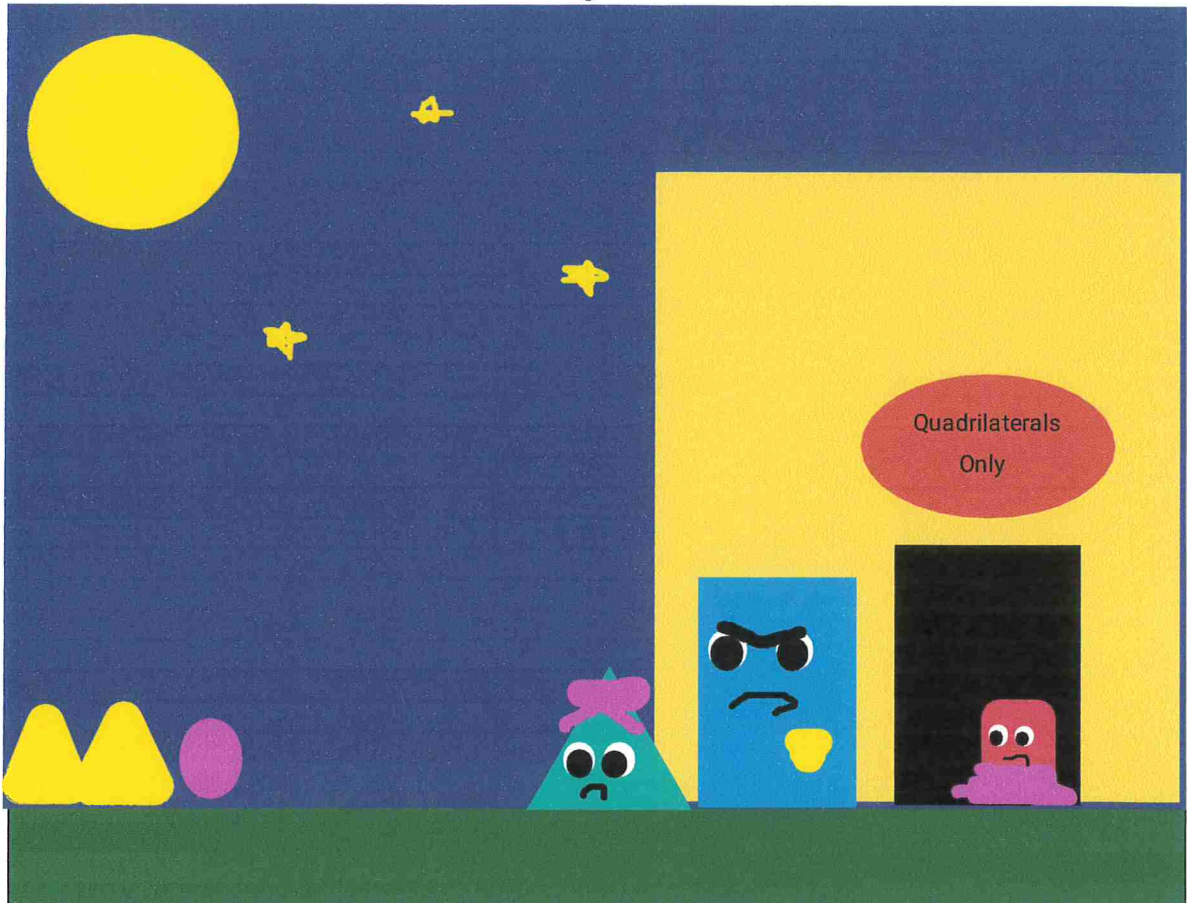
Written and Illustrated by Arianna Parmar



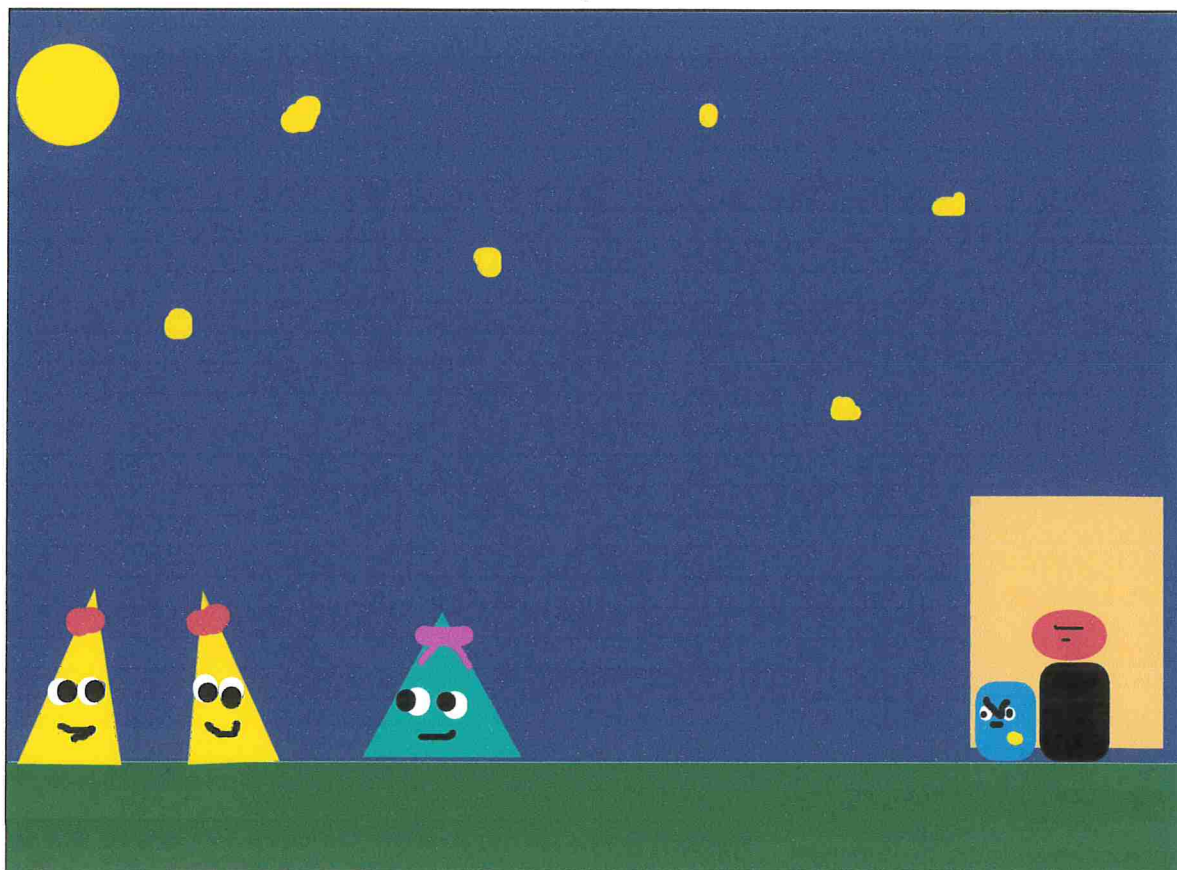
One bright summer's afternoon, 2 young shapes, Reena Rectangle and Tianna Triangle, were walking home from school, when they saw a poster. It said that there was a huge party that evening, and that their favorite band - Uptown Shapes! The 2 friends were excited, and decided to go.



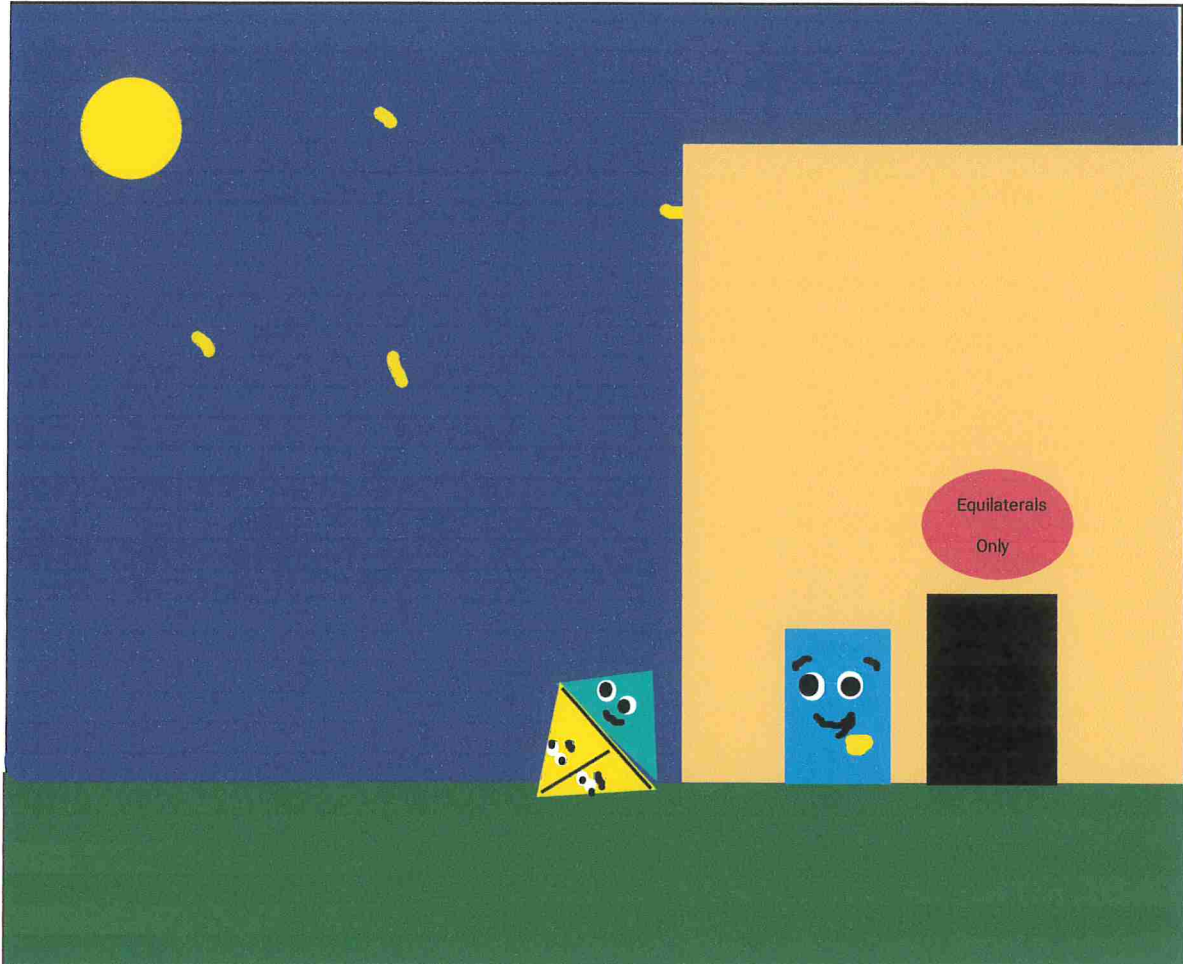
Once it was evening, Reena and Tianna put on their outfits and headed to the party. At the party they saw a huge queue to get inside, full of all sorts of shapes- quadrilaterals, hexagons, pentagons and polygons. Despite the large number of others in line, they still wanted to get in.



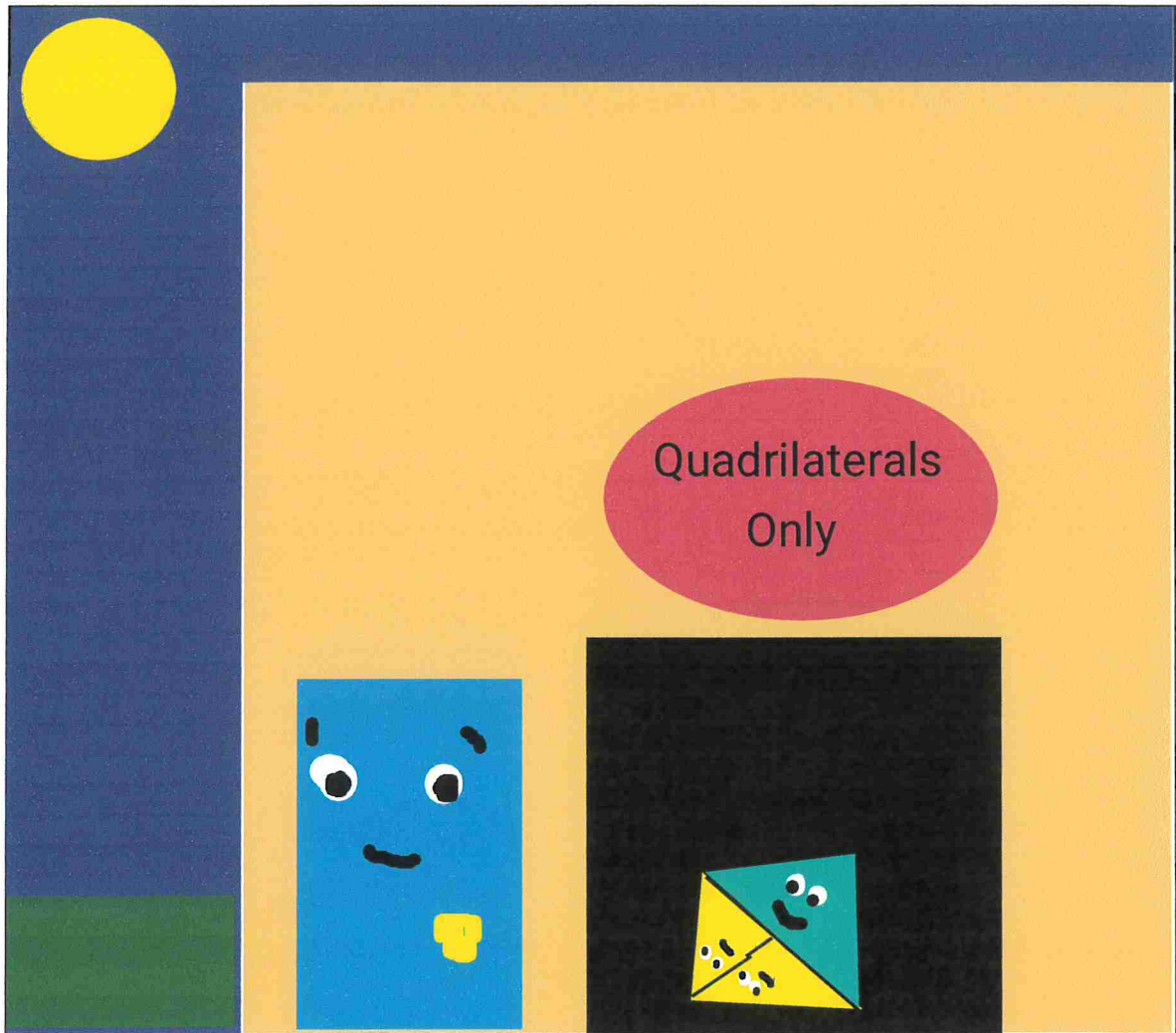
The Girls had finally gotten to the front of the line, and Reena had gotten through security with ease; but when Tianna tried to get through, “STOP! Now, now young lady, you aren’t allowed in, you’re not a Quadrilateral. Run along and go over there to the others who aren’t four-siders, I have a long line to get through and only 1 hour before the show starts!” said a gruff voice.



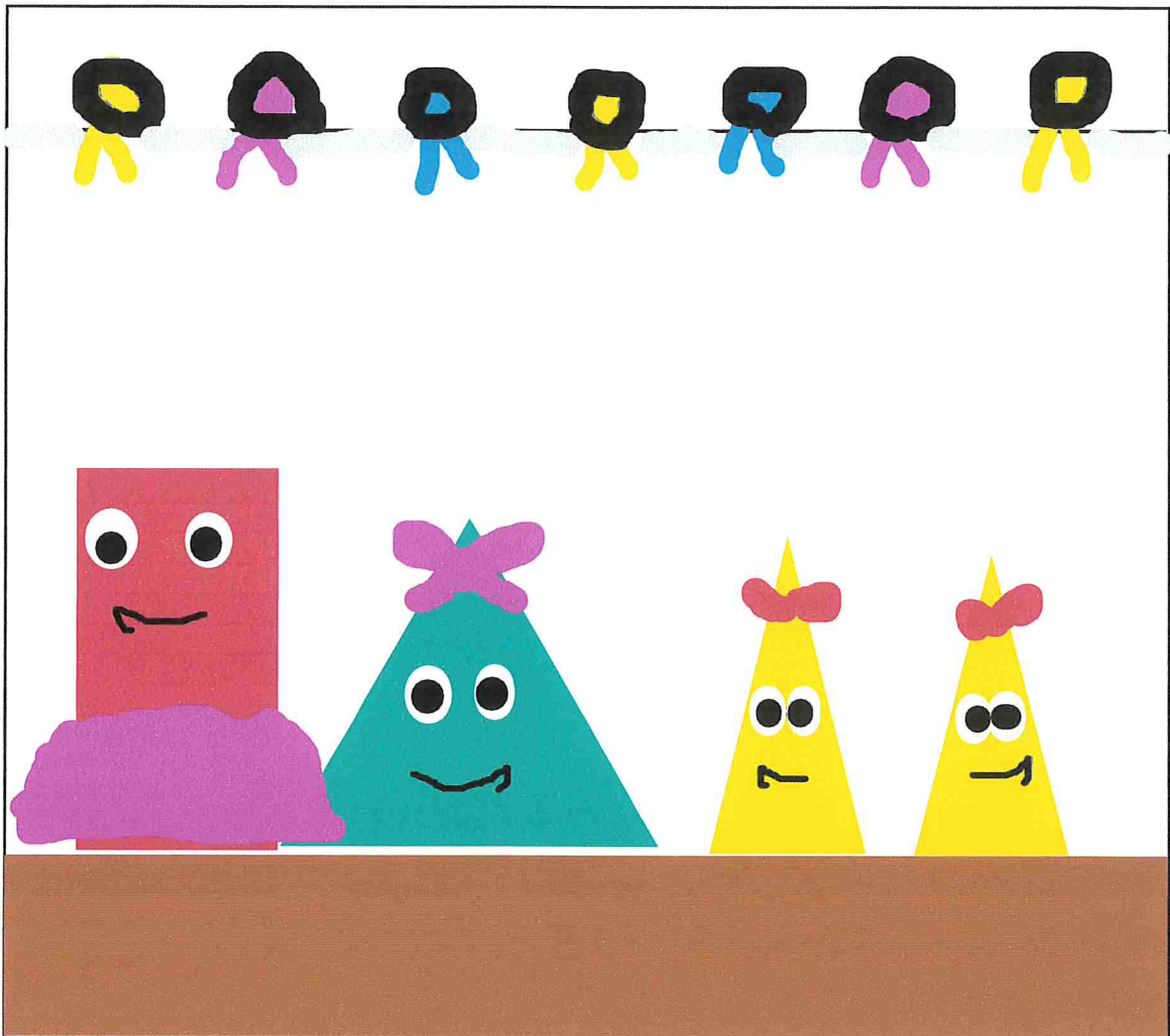
Sad, disappointed and distressed, Tianna slowly wandered over to a group of other triangles who couldn't get in, as she got there, she met two of her friends from school: twins Sally and Samantha Scalene. They immediately ran up to her, and told Tianna that they had a plan to get in. "Hey Tianna, we have an idea on how to get in! If Samantha and I stand really close to each other we look like an equilateral triangle, plus you're an equilateral triangle, so if the three of us stand really close to each other and go on our side then we will look like a square and can enter the party!" Sally enthusiastically told her.



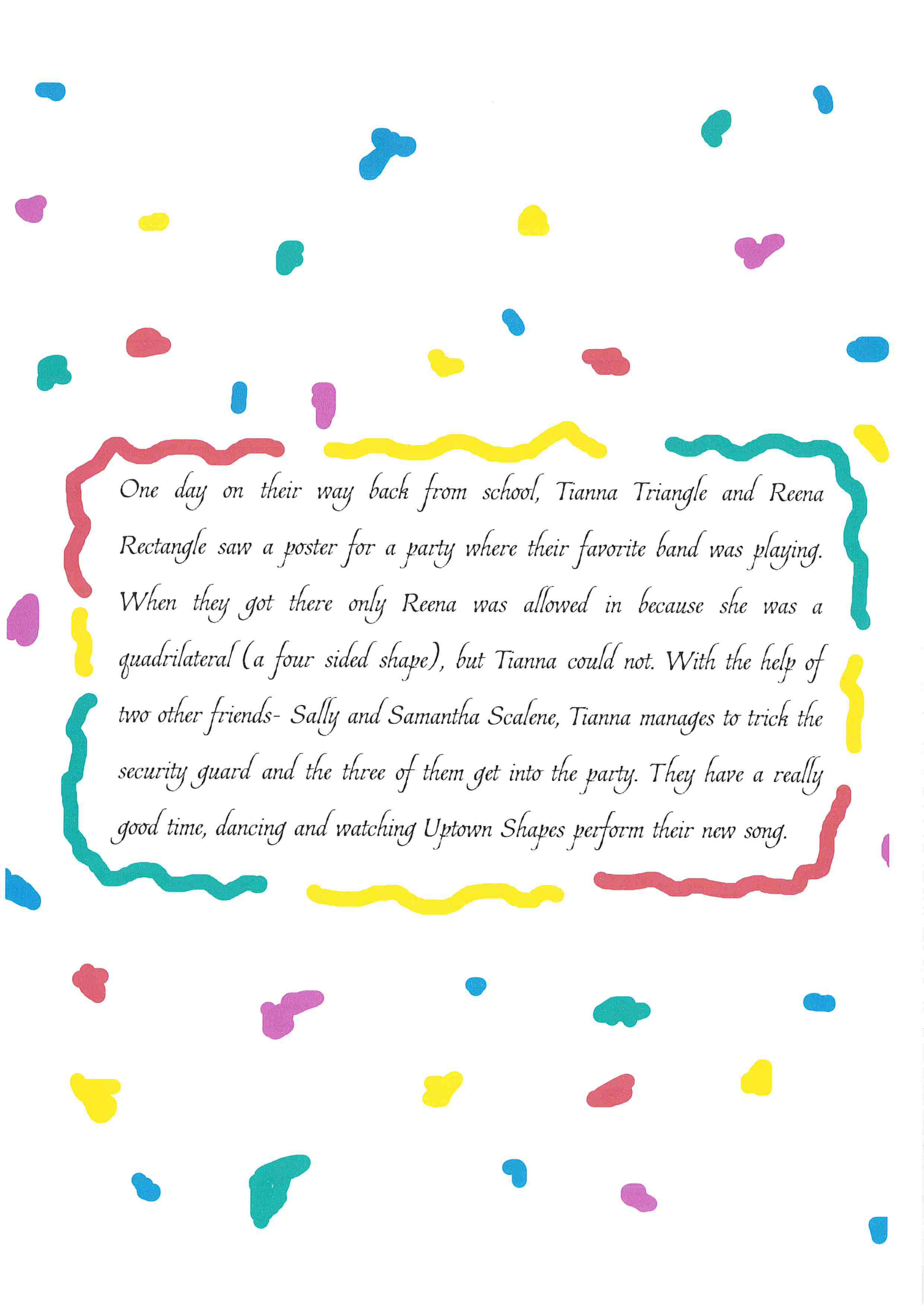
Tianna replied, "Okay, let's do it! I really want to see Uptown Shapes and I'll do anything to watch them perform!" So they followed through with the plan, and finally the moment had come; Tianna, Sally and Samantha were about to find out whether they would get to see the performance or not. Slowly, they approached the door, behind it all of their hopes and dreams, one step after another they anxiously waited to see if they would get stopped...



They speeded through the line with ease, now they had to go through the security check; They stepped towards the security guard, they stood like a statue as he was observing them, they walked closer to the door and, YES! Tianna, Sally and Samantha had gotten into the party, the girls were ecstatic!



Tianna, Sally and Samantha then met up with Reena, who had been waiting for them, and prepared themselves for the night of their lives. When Uptown Shapes started to sing, the girls were so happy that if happiness gave you superpowers they would have every single power in existence. So they danced and had fun all night long, and had the best time ever!



One day on their way back from school, Tianna Triangle and Reena Rectangle saw a poster for a party where their favorite band was playing. When they got there only Reena was allowed in because she was a quadrilateral (a four sided shape), but Tianna could not. With the help of two other friends- Sally and Samantha Scalene, Tianna manages to trick the security guard and the three of them get into the party. They have a really good time, dancing and watching Uptown Shapes perform their new song.