



Disc Golf

Rational Numbers



Ben Nussbaum

Table of Contents

The Invitation	4
Practice Throws.....	6
Time to Play	12
A Full Morning	20
Sundaes on Saturday	26
Problem Solving.....	28
Glossary	30
Index.....	31
Answer Key.....	32

The Invitation

“Dad, can I ask Anastasia to play disc golf with us this weekend?”

“Fantastic idea, Elizabeth! I bet she’ll love it,” Mr. Jeter answers heartily.

Elizabeth Jeter and her dad play disc golf every chance they get. It’s their favorite way to spend time together outside.

Anastasia is the Jeters’ new neighbor. Her family moved into the neighborhood a couple weeks ago. Elizabeth heads outside, walks past a few houses, and then turns up a driveway and knocks on Anastasia’s door.

Anastasia opens the door, smiles, and says, “Hey Elizabeth!”

“Hey! I was wondering if you would like to play disc golf with my dad and me this Saturday?” Elizabeth asks.

“That sounds really fun!” Anastasia replies. “But I’ve never played before, and I don’t have any equipment.”

“Don’t worry,” Elizabeth replies. “It’s not a very complicated game. We’ll bring everything you need and explain how to play.”

Anastasia gets permission from her parents, and then the girls agree on a time.



disc golf basket



Practice Throws

It's a chilly Saturday morning. The leaves on the trees are a dark green color. Elizabeth and Anastasia stand at one end of a soccer field, a jumble of discs at their feet, while Mr. Jeter watches from nearby.

"Before we play, we should practice a little," Elizabeth says. "The first thing to know is that there are different kinds of discs. Some are better for long throws, and some are better for short throws. Some discs fly really straight, and some are made to curve in different ways."

Anastasia examines a disc and comments, "These seem smaller than the discs I'm used to playing with."

"For sure—they're definitely not made for playing catch," Elizabeth agrees. "Discs for golf are normally hard, and some have a sharp edge too." Elizabeth continues, "You're holding a **putter**. Putters are for when you're close to the basket, and since they're pretty accurate, they won't fly very far."

Elizabeth jogs about 30 feet (9 meters) away and places her water bottle on the ground before she runs back to Anastasia. "Try to hit my water," she tells her friend.



Discs come in different shapes and colors.



Anastasia timidly tosses the disc. It lands about halfway between where the friends are standing and the water bottle.

“Try again, but throw it a little more like this,” Elizabeth says as she picks up another putter from the pile at their feet.

She grips the disc carefully with her thumb on top and her fingers spread out on the bottom, and then she gently twists her **torso**. She uncurls her body, spinning her arm around and **flicking** the disc. It floats through the air and gently drops to the ground a little **past** the water bottle.

Anastasia tries to **mimic** her friend’s throw. This time, her disc lands near the target.

“That’s amazing for the second throw in **your** entire life!” Elizabeth exclaims.

Anastasia continues to toss putters **at** the water bottle. Elizabeth runs back and forth to retrieve discs. **Some** of Anastasia’s throws are accurate, but others fly off in **every** direction. Finally, Anastasia tosses a disc that lands exactly **on** the water bottle, knocking it over.



This grip is called a pinky tuck.





Anastasia throws a disc using a fan grip.