

Alannah and the Measure-Magic Carnival

A magical adventure with length, mass, capacity, and temperature

AN ALANNAH DIOR LEARNING ADVENTURE



The Carnival Mix-Up

The Measure-Magic Carnival was in a muddle! The ribbon track was too short, the balance ride tilted, the fountains overflowed, and the weather tower flashed hot and cold. “Four kinds of measuring can make this right,” said Alannah. Milli raised the dim measurement compass.



Estimate First!

At the Ribbon Raceway, Alannah looked at three ribbons. Before using a tool, she estimated that the golden ribbon was longest. An estimate is a smart, close guess. “Now let’s measure to find out,” she said.



Length Starts at the Edge

Alannah laid the ribbon straight and lined one end up with the ruler’s starting edge. She read where the other end stopped. Length tells how long, tall, or far something is. Her careful measurement made a ribbon piece that fit the track exactly!



Small Can Be Heavy

At the Balance Bounce, a giant fluffy pillow faced a small metal gear. The gear pulled its pan lower. “Mass tells how heavy something is,” Alannah explained. “A bigger object is not always heavier.” The scale helped her compare fairly.



Balance the Mass

Alannah placed a supply parcel on one pan and added equal measuring cubes to the other. One, two, three, four, five—the pans became level. Using the same-size units made the measurement fair. The Balance Bounce rose smoothly into the sky.



The Container Trick

A tall, narrow container and a short, wide container looked as if they held different amounts. Alannah did not trust the shapes alone. Capacity tells how much a container can hold. She poured each amount into the same measuring jug to compare them fairly—they were equal!



Fill to the Line

Alannah held the measuring jug level with her eyes and watched the water reach the correct line. She poured that exact amount into the fountain tank while Milli closed the valve. No more overflowing! The fountains curved into sparkling, even arches.



The Just-Right Parade

Alannah checked the protected thermometer without touching anything hot or cold. Temperature tells how warm or cool something is. The marker settled in the comfortable middle—and every attraction glowed! Length, mass, capacity, and temperature led the grand Measure-Magic Parade.

After-Story Questions & Activities

Talk About the Story

1. What does length tell us?
2. What tool can compare mass?
3. Why did Alannah use the same measuring jug?
4. What does a thermometer measure?
5. Why is estimating helpful before measuring?

Try It Yourself

Measure Hunt

With a grown-up, estimate and measure the length of three safe objects. Was your estimate close?

Pour and Compare

Use dry rice or water with a grown-up. Compare what two different-shaped containers hold using the same cup.

Alannah's Measuring Reminder

ESTIMATE → CHOOSE A TOOL → MEASURE CAREFULLY → CHECK

Use the same units and line things up fairly so your measurement can be trusted.