

# Carnival Mission

Exploring the Cost of Carnival Games

**GAMERS**

QUEST 1  
ALGEBRA I

STATE FAIR OF TEXAS  
**CURRICULUM**

## STUDENT EDITION



### RECAP

You will be going to the State Fair of Texas to explore the cost of carnival games.

Check with your teacher before you go; you should have reviewed linear equations, direct variation, slope, how to create a table from data that you collect, and how to graph a line from a given equation.

### STATE FAIR MAP



### Plan Your Route

You will begin your Quest in the Midway. As you walk through the Midway, pay close attention to the carnival games.



### Optional Materials to Bring

- ★ Pen or Pencil
- ★ Notebook or Paper
- ★ Smartphone or Tablet

### While You're There

You will use information you gather at the State Fair to help you with THREE project goals:

1. Sort and graph information about three games you observe at the Fair
2. Turn that information into a creative, artistic presentation
3. Design a persuasive marketing pitch about your favorite game, to convince others to play it.

The objective of your visit is to choose THREE games that you would like to play.

★**CARNIVAL MISSION:** you will explore the cost of playing games on the Midway.

- Choose three games you would like to play.
  - Each game should cost a different amount of credit to play.
- Record the name of the game and how much credit it takes to play.
- Determine how much money one credit costs in dollars.

★Record your information in your notebook/smartphone, or use the table on the right:

	1 CREDIT COST (in dollars)
GAME 1	
GAME 2	
GAME 3	

★**ART COMPONENT:** notice colors, textures, and artistic components used in the games you play. These will be important as you work on the art component of this Quest.



### Back at School

When you return to class following your State Fair visit, you will work on your three projects. See your teachers for more information.