

## Getting ready for 5th grade!

### Theme Park Design Project

**Materials:** Blank pieces of paper, a pencil, and colored pencils/markers/crayons.

Use the chart on the next page to complete the following tasks. Show your calculations on a separate piece of paper and circle the answers. Write your final answers in the tables on the second page.

#### Construction

1. Without going over your budget, choose **at least 5** rides to build. You can purchase the same ride more than once; it counts as **1 ride built each time** you buy the ride. 5
2. Calculate the **area** of the rides you decide to build. Write the areas in the blank space in “The Rides” chart. 5
3. Calculate the **total cost** of all the rides you purchase. 10

#### Visitors

4. Your theme park can hold a total of 28,300 visitors. One day at 9AM, there are 13,587 visitors in the park. Assuming no visitors leave, **how many more** visitors can enter the park? 14713
5. Each theme park ticket costs \$45. A class of 28 scholars goes to the theme park for a field trip. How much does the field trip cost in all? 1260
6. A family is visiting the theme park on a summer vacation. They spend \$882 total on the hotel and stay in the hotel for 6 days. How much does it cost **per night,  $n$** , to stay in the hotel? 5292

#### Riding the Rides!

7. Someone gets in line for a ride at 2:34 PM. They get on the ride 48 minutes later. What time do they get on the ride? 3:22 PM
8. The line for a ride is 37 yards long. How many feet long is the line? 15

#### Food

9. An employee is baking cookies. Each batch of cookies uses  $\frac{1}{3}$  cup of sugar. The employee bakes 7 batches of cookies. How many cups of sugar does the employee use in all?  $7/21$
10. A group of friends is ordering pizza. Each friend eats  $1\frac{2}{4}$  pizza. There are 5 friends. How much pizza does the group of friends need to order **in all**?  $5/10/20$

#### Art

11. Name your theme park and draw the sign/logo for your theme park.
12. Draw the rides on a piece of paper.

Make sure to color in everything you draw 😊

**Bonus (optional):** Write one paragraph persuading people to visit your theme park! I don't know how sorry



Write the area and total cost of **each type** of ride you buy. Then, write the total cost of **all** the rides you buy in the bottom right box. If the budget is 40000 thousand dollars but he actually spent 80840

## The Rides

Budget: \$40,000

Ride	Ride length	Ride width	Area (you calculate)	Price	How Many?	Total Cost (you calculate)
Bumper cars	14 feet	26 feet		\$2,250		
Ferris Wheel	36 feet	36 feet		\$9,380		
Large Rollercoaster	45 feet	30 feet		\$11,475		
Large Water Ride	45 feet	30 feet		\$12,700		
Small Rollercoaster	30 feet	30 feet		\$7,500		
Small Water Ride	30 feet	30 feet		\$8,000		
Carousel	27 feet	32 feet		\$9,540		
Spinning Teacups	20 feet	18 feet		\$4,675		
Haunted House	50 feet	40 feet		\$15,320		
				<b>TOTAL COST:</b>		

Write your final answer to each question below	
<b>"Visitors"</b>	
4.	
5.	
6.	
<b>"Riding the Rides!"</b>	
7.	
8.	
<b>"Food"</b>	
9.	
10.	
Everything from "Art" should be drawn on a blank piece of paper	