

Carnival Fun

Addition and Subtraction Math Project
Aligns with Envision Topics 1, 3, 4, 5, & 10

The attached project is a stand-alone learning opportunity to practice skills acquired in the classroom setting. The intent is to challenge student thinking; therefore, some components may be difficult for your child. Feel free to modify and adjust for your child's needs.

Directions:

Talk about what a carnival is with your student. Look up some carnivals online to get an idea of what they are.

You get to design a carnival with a lot of fun rides. Decide how many friends you want to invite (more than 20). Make a list of rides, or use the list provided. Choose at least 4 rides. What are all the ways everyone can ride at the same time, so that no one is waiting in line? Use addition facts to share all the different ways. Use numbers, words, and/or pictures to explain your answers.

Rides:

Merry-Go-Round

Roller coaster

Bumper cars

Ferris Wheel

Swings

Log Ride Spinning tea cups

Inflatable Bouncy House



OH NO! One of the rides broke down. How many friends must now wait in line for a different ride? Use numbers, words, and/or pictures to explain your answers.



Carnival Food Fun!

Everyone is hungry! What food could you have at your carnival? Make a list of the food you might have or use the list provided. How much would each item cost? If you had \$10.00 to spend, what could you buy, and would you have any money left over? If you and your 20 friends had a total of \$75, what food could you buy if everyone had to have the same items?

Carnival Food:

- Popcorn \$ _____
- Corn dog \$ _____
- French fries \$ _____
- Hamburger \$ _____
- Ice Cream \$ _____
- Cotton Candy \$ _____
- Sno-Cones \$ _____
- _____ \$ _____
- _____ \$ _____
- _____ \$ _____



Taking it further: Draw a map of your carnival with all of the rides. On a separate piece of paper, include how many seats are available for each ride.

You do not want your carnival to be too crowded. It is fine to have a few people in each line for each ride. What is the maximum amount of people that should be allowed into your carnival? This is called a “maximum capacity”. Explain why you chose that number for the maximum capacity.