Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.3 Entry Task: Amusement Park Rides**

A group of 40 students goes to a local amusement park.

The students agree that they will go on every ride together as one whole group. 

Here is a list of the rides and how many people fit in each car.

|  |  |
| --- | --- |
| **Ride** | **Number of people per seat** |
| Speedster Bumper Cars | 2 people per car |
| Big Dip Roller Coaster | 4 people per car |
| Undertow Roller Coaster | 5 people per car |
| Daredevil Roller Coaster | 6 people per car |

1. **How many cars will the group of 40 students need for each ride? Show how you found your answer.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Big Dip Roller** **Coaster** | **Undertow Roller** **Coaster** | **Speedster Bumper** **Cars** | **Daredevil Roller Coaster** |
|  |  |  |  |

1. **The amusement park rules state that all seats in a car must be filled before the ride begins. Does this group of 40 students have the right number of people to do this for each ride? Why or why not?**
2. **If one person gets sick and cannot go on any ride with the group, how does this change the group’s ability to fill up all the cars?**