

1.

A group home loads all seven of its residents on the van. The driver and the house parents make it ten.

First stop is the library where one of the residents works. After checking out books for the week, all but the resident library worker get back on the bus and head to the grocery store. One of the residents doesn't like being in busy places so the driver and that resident stay in the bus and wait for the house parents and the others to finish shopping. Its "all aboard" and the next stop is at the post office so the house dad can post a birthday package to his brother back east. The library employee's shift isn't over for another two hours so it's back to the house to unload the groceries and get ready for lunch.

How many trips were counted?

What led you to count or not count certain riders?

2.

The Senior Citizen Center's Casino excursion is today. \$2 per person to ride the bus. There was a big sign up list where 30 seniors signed up. Even Margaret, who is in a wheel chair and doesn't get around well without help, is bringing her granddaughter so all her friends can focus on the slots and not focus on pushing her around. When her granddaughter picked her up this morning, she was absolutely giddy at the thought of the big win.

Pete and Jim realize that all the vehicles will be used to get everyone to the casino excursion and they were hoping to hit the model train show out at the expo center which is on the way to the casino. Two 14 passenger cutaways and an 8 passenger van head out with everyone on board. The van stops along the way to drop off Pete and Jim who will catch a ride back home with Jim's son. Margaret prefers the van ramp so that leaves Margaret, her granddaughter and another passenger in the van. The cutaways have 14 passengers each.

No one hit the jack-pot but everyone had a good time. They're back at the senior center by 3:00. By 5:00 the center is empty as the driver takes 12 of the "Ramblin' Gamblers" back home.

How many trips per vehicle?

How many trips total?

What led you to count or not count certain riders?

3.

Things you should know:

Fares: Seniors – free with bus pass – otherwise a \$1. Adults - \$1.50 Children - .25 cents Children under 4 free.

Ms. Jones has never really figured out how to make a ride reservation on the community's dial-a-ride system. Same day rides are okay if there's room but it sure would be easier if Ms. Jones called ahead especially when she brings her four kids with her. The kids are cute: Two-year-old twins, a four-year-old precocious little boy, and her 8-year-old daughter who shows the kindness of an angel.

The driver is dispatched in an 8 passenger van to pick up Mr. Able and deliver him to his doctor's office by 9:00 to get his new leg prosthetic fitted. Every time he rides he likes to tell how he lost his first leg in World War II, his second leg in a hotel fire, and his third leg in a divorce. This will be a brand new titanium model. The driver also needs to pick up Mrs. Smith and her service dog and deliver them to her doctor's which is in the same complex. It's Mrs. Smith's birthday; 89, she told the dispatcher. The dispatcher reminded her to be sure and get her bus pass renewed before the month is out. Her appointment is at 9:30. The dispatcher calls and informs the driver that Ms. Jones and her four kids need to get to the CVS first thing since one of the babes has been dribbling green snot for two weeks now.

All are picked up and delivered to their destinations.

Mr. Able is ready to be picked up at his doctor's, new leg and all – he wants to go to Wal-Mart to pick up some skin lotion and some new socks. The driver takes Mr. Able and waits. Mr. Able completes his shopping and it's off to pick up Mrs. Smith whose service dog is covered in pink icing from a birthday cupcake still in the possession of Mrs. Smith. The driver checks in with dispatch to find out what ever happened to Ms. Jones. No request for a pick up at CVS. Maybe she found a ride.

How many trips were taken in this scenario?

What do you estimate were the total fares collected?