

Math Mondays!
November 25, 2024

Traveling for Thanksgiving

Thanksgiving travel is expected to hit a new record! According to AAA, nearly 80 million people are expected to travel by car, train, or plane for Thanksgiving. Challenge your students to solve this week's travel conundrums.

6th Grade:

Vanessa is traveling to her aunt's house to spend the week and celebrate Thanksgiving. She lives 365 miles from her aunt's house. If she averages 65 miles per hour, what time does she need to leave her house to arrive at her aunt's house at 6:30 pm? Justify your answer using words and numbers.

7th Grade:

Wayne has two Thanksgiving dinners to attend. The first is at his uncle’s house at 1:30 pm and the second is at his Mother-in-laws at 7:30 pm. Table 1 shows the distances and average speed between each location Wayne will visit.

Table 1: Distances and Average Speeds

Starting and Ending Location	Distance	Average Speed
Wayne’s house to his uncle’s house	15 miles	45 mph
Wayne’s uncle’s house to his Mother-in-law’s house	250 miles	60 mph
Wayne’s house to his Mother-in-law’s house	237 miles	58 mph

Wayne needs to return to his house after having dinner at his uncle’s house to pick up the desserts he made for the dinner at his Mother-in-laws house. What is the latest time that Wayne can leave his uncle’s house and arrive at his Mother-in-laws house in time for dinner? Justify your answer.

8th Grade:

Isabel and her brothers and sisters (5 people total) are traveling from Los Angeles CA to Phoenix, AZ. They will leave LA on Tuesday and return the Sunday following Thanksgiving.

- Isabel claims that it cost less to rent a van and drive.
- Diego claims that the cost to fly is less than the cost to drive.

Read the facts about the cost to drive and fly.

Travel Facts:

- An 8-passenger van rents for \$225 per day (including insurance and taxes).
- The van averages 25 miles per gallon.
- The distance from Los Angeles CA to Phoenix, AZ is 373 miles.
- The average cost of gas along the driving route is \$3.85 per gallon.
- The cost for a round trip ticket from Los Angeles to Phoenix is \$375 per person.

Which sibling’s claim do you agree with? Justify your decision.
