

Part 5 Travel Time Problems

Choose an appropriate method to solve each of the following problems. For some questions you may need to find an exact answer, while for others you may only need an estimate. For each question, you may choose to use paper and pencil, mental math, or a calculator. Use a separate sheet of paper to show how you solved each problem.

1. John and his family are driving from Chicago, Illinois, to Phoenix, Arizona. His family plans to take 4 days to make this trip. Phoenix is 1776 miles from Chicago. About how many miles should they drive each of the four days if they want to drive about the same amount each day?
2. On the first day of the trip, John's family leaves home at 7:30 AM. They drive for 4 hours before stopping to eat lunch. If they average 62 miles per hour, how far did they drive before stopping?
3. At the end of the second day of driving, John's family has traveled a total of 957 miles and has spent $16\frac{1}{2}$ hours on the road. About how many miles per hour did they average so far on their trip?
4. One night John's family stops for pizza. They order a large pizza that is $\frac{1}{2}$ pepperoni and $\frac{1}{2}$ cheese. It is cut into 16 slices of the same size. If John eats one slice of pepperoni and one slice of cheese, what fraction of the pizza is this?
5. In Phoenix, John's family stays in a hotel for 7 nights. The hotel costs \$97.00 per night including tax. What is the total bill for their 7-night stay?
6. When John's family arrives home, he calculates the number of gallons of gasoline they used during their trip to and from Phoenix. The car averages about 24 miles per gallon.
 - A. How many gallons of gas did they use during the drive to and from Phoenix?
 - B. If the average cost of gasoline is \$3.57 per gallon, how much money did John's family spend on gasoline during the trip?