

Part 3 Solving 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 other questions you may need only an estimate. For each question, you may choose to use paper and pencil, mental math, or a calculator. Be prepared to tell the class how you solved each problem.

1. Nila has \$585 in her savings account. On her birthday, she deposits \$75 that she got for birthday gifts. How much money is in her savings account after her birthday?
2. Jackie and her family are taking a 32-mile ferry ride to an island in Lake Michigan. A round-trip ferry ride ticket costs \$29 per adult and \$15 per child. If 4 adults and 3 children purchase tickets, how much will the ferry ride cost the entire family?
3. John's older brother is in college. His brother and his three roommates want to buy furniture that costs \$764. If they split the cost of the furniture evenly, how much should each student pay?
4. Ming built a house of cards. Before the house came tumbling down, he used 2 full decks of cards. The house also contained all but 15 cards from a third deck. About how many cards were in Ming's house of cards? (A deck of cards has 52 cards.)
5. On vacation, Shannon's family took 3 rolls of 24 pictures and 2 rolls of 36 pictures. How many pictures did the family take in all?
6. Roberto is driving with his family to visit his grandmother. After driving 144 miles from Chicago, the family stops for lunch. They drive 89 more miles and stop for gas. Then, they stop for a soft drink after driving 123 more miles. Roberto's grandma lives 375 miles from Chicago. About how many more miles must they drive before they reach their grandmother's house?