PRACTICE

1. Four friends hosted a party. The table shows the amount of money each friend spent. The friends want to share the party expenses equally, and Pam will pay the entire amount she owes to one person. Who owes money to whom?

Person	Party expenses
Barb	$11 for drinks
Bonnie	$15 for food
Pam	$6 for invitations
Holly	$8 for decorations

2. Six people can be seated at a rectangular table, with one person at each end. How many people can be seated at five of these tables if they are placed end to end?
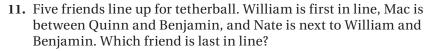
3. Bob is 55 years old. In 5 years, Bob will be twice as old as his son. How old is Bob's son?

4. Maddie and Rob are sharing a pack of 25 pens. Maddie offers to let Rob have 3 pens for every 2 pens she gets. If they use the entire package of pens, how many pens will each person get?

5. In how many different ways can you make $.50 in change using quarters, dimes, and nickels?

6. The diagram shows two cuts through the center of a pizza. How many cuts through the center are needed to divide a pizza into 12 equal pieces?

7. Deb is flying to Seattle. Her flight leaves at 4:15 P.M. She wants to arrive at the airport 2 hours early to check in and get through security. The taxi ride from her office to the airport takes about 30 minutes. What time should Deb ask the taxi driver to pick her up at the office?

8. Dan wants to enclose a rectangular area with a fence. He has 12 fence posts to use, and the fence posts will be placed 10 feet apart. The diagram shows a possible shape for the area. Find another shape that would use all the fence posts, placed 10 feet apart, and would increase the area by 100 square feet.

9. A soccer league has a 7 week season, and there are 7 teams in the league. Each team plays a game with every other team once during the season. How many soccer games must be played each week of the season?

10. Julia is setting up a display of cracker boxes at a grocery store. She wants one box in the top row, two boxes in the second row down, three boxes in the third row down, and so on, as shown. Each box is 8 inches tall, and her display will be 6 feet tall. How many cracker boxes will be in the display?

11. Five friends line up for tetherball. William is first in line, Mac is between Quinn and Benjamin, and Nate is next to William and Benjamin. Which friend is last in line?

12. The 4 members of the Buckner family usually drink 3 gallons of milk altogether each week. For 12 weeks in the summer, they will have a fifth family member staying with them. How many gallons of milk would you expect the 5 family members to drink over the 12 weeks?