

1. Niki has 8 coins worth \$1.40. Some of the coins are nickels and some are quarters. How many of each coin does Niki have?
[A] 4 quarters and 4 nickels
[B] 3 quarters and 5 nickels
[C] 2 quarters and 6 nickels
[D] 5 quarters and 3 nickels
[E] 6 quarters and 2 nickels
2. The total number of horses and people at the riding academy for the Sunday session was 42. The total number of legs at the academy that day was 140. How many people were at the riding academy that Sunday?
[A] 24 [B] 28 [C] 18 [D] 14
3. The local library had a sale to get rid of books that were slightly damaged. It sold paperback books for \$2.00 and hard-cover books for \$5.00. The library raised \$271 and sold 89 books. How many hard-cover books were sold?
[A] 31 [B] 70 [C] 58 [D] 155
4. Tickets to a local movie were sold at \$6.00 for adults and \$4.50 for students. If 240 tickets were sold for a total of \$1275.00, how many student tickets were sold?
[A] 130 [B] 110 [C] 20 [D] 145
5. Holly, Lori, and Sophia had 48 compact discs among them. Holly gave 5 discs to Lori and Sophia gave 6 discs to Holly. Finally, Lori gave 2 discs to Holly. They ended up with an equal number of discs. How many discs did each person start with?
[A] Holly: 16 discs, Lori: 16 discs, Sophia: 16 discs
[B] Holly: 13 discs, Lori: 13 discs, Sophia: 22 discs
[C] Holly: 22 discs, Lori: 13 discs, Sophia: 13 discs
[D] Holly: 19 discs, Lori: 19 discs, Sophia: 10 discs
6. Use any problem solving strategy to solve the following problem. The sum of two numbers is 143. Their difference is 136 less than the sum. What are the two numbers?
7. In an election between two candidates, 610 votes were cast. If the winner received 330 more votes than the loser, how many votes did the winner receive?
8. Two shirts cost \$65. The difference in their cost is \$7. Determine the cost of each shirt.

9. A total of 62 sheep and cats were on the ranch. If five times the number of sheep exceeded the number of cats by four, how many of each were on the ranch?
10. Use any problem solving strategy to solve the following problem. Members of the band sold \$1150 worth of packages of pens and markers. They sold a total of 310 packages, including 10 more packages of pens than markers. If one package of pens and one package of markers costs \$7.50, what was the price of each package?
11. Use any problem solving strategy to solve the following problem. Altogether 568 tickets were sold to a play. An adult ticket costs \$5. A child's ticket costs \$2. Ticket sales were \$2345. The theater manager expects to sell the same number of tickets to the next play, but wants to increase the ticket sales to \$3554 by increasing the price of the adult tickets. Find the new price of an adult ticket.
12. Kendra owns a restaurant. She decides to charge \$1.50 for 2 eggs and one piece of toast and \$0.90 for one egg and one piece of toast. How much is she charging for each egg and each piece of toast?
13. Sara has \$2.10 in nickels and dimes. She has three times as many dimes as nickels. How many nickels and how many dimes does she have?
14. Play tickets for two adults and two children cost \$24. A child's ticket costs half as much as an adult's ticket. Find the cost of a child's ticket.
15. Use any problem solving strategy to solve the following problem. Kyle earned 4 times as much as Ken last summer. If they earned a total of \$750, how much did they each earn?
16. Tom has a collection of 50 CDs and Nita has a collection of 38 CDs. Tom is adding 2 CDs a month to his collection while Nita is adding 4 CDs a month to her collection. In how many months will they have the same number of CDs?
17. From 1980 to 1990, the population of Mesa, Arizona grew about 13,500 people each year to a population of about 290,000. During that same time period, the population of Tucson, Arizona grew at about 7,500 people a year to a population of about 405,000. Suppose the populations of both cities continue to grow at these rates. In what year will they have the same populations?

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- [1] D
- [2] D
- [3] A
- [4] B
- [5] B
- [6] 75 and 68
- [7] 470 votes
- [8] One shirt costs \$29 and the other costs \$36.
- [9] 11 sheep; 51 cats
\$2.50 for a package of pens and \$5 for a
- [10] package of markers
- [11] \$8
- [12] \$0.60 for each egg and \$0.30 for each piece of
toast
- [13] 6 nickels and 18 dimes
- [14] \$4
- [15] Kyle earned \$600 and Ken earned \$150.
- [16] in 6 months
- [17] about 2010