

Math Worksheets

Systems of Equations Word Problems

 Find the answer for each word problem.

- 1) Tickets to a movie cost \$4 for adults and \$3 for students. A group of friends purchased 8 tickets for \$31.00. How many adults ticket did they buy? ____
- 2) At a store, Eva bought two shirts and five hats for \$77.00. Nicole bought three same shirts and four same hats for \$84.00. What is the price of each shirt? ____
- 3) A farmhouse shelters 18 animals, some are pigs, and some are ducks. Altogether there are 66 legs. How many pigs are there? ____
- 4) A class of 214 students went on a field trip. They took 36 vehicles, some cars and some buses. If each car holds 5 students and each bus hold 22 students, how many buses did they take? ____
- 5) A theater is selling tickets for a performance. Mr. Smith purchased 5 senior tickets and 3 child tickets for \$105 for his friends and family. Mr. Jackson purchased 3 senior tickets and 5 child tickets for \$79. What is the price of a senior ticket? \$____
- 6) The difference of two numbers is 10. Their sum is 20. What is the bigger number? \$____
- 7) The sum of the digits of a certain two-digit number is 7. Reversing its digits increase the number by 9. What is the number? ____
- 8) The difference of two numbers is 11. Their sum is 25. What are the numbers? _____
- 9) The length of a rectangle is 5 meters greater than 2 times the width. The perimeter of rectangle is 28 meters. What is the length of the rectangle? _____
- 10) Jim has 25 nickels and dimes totaling \$1.80. How many nickels does he have? ____

Answers of Worksheets

Systems of Equations Word Problems

1) 7

2) \$16

3) 15

4) 2

5) \$18

6) 15

7) 34

8) 18,7

9) 11 meters

10) 14