EffortlessMath

Math Worksheets

Name: _____

Date: _____

Systems of Equations Word Problems

Solve each word problem.

1) Tickets to a movie cost $5 for adults and $3 for students. A group of friends purchased 18 tickets for $82.00. How many adults ticket did they buy? _____

2) At a store, Eva bought two shirts and five hats for $154.00. Nicole bought three same shirts and four same hats for $168.00. What is the price of each shirt? _____

3) A farmhouse shelters 10 animals, some are pigs, and some are ducks. Altogether there are 36 legs. How many pigs are there? _____

4) A class of 195 students went on a field trip. They took 19 vehicles, some cars and some buses. If each car holds 5 students and each bus hold 25 students, how many buses did they take? _____

5) A theater is selling tickets for a performance. Mr. Smith purchased 8 senior tickets and 5 child tickets for $136 for his friends and family. Mr. Jackson purchased 4 senior tickets and 6 child tickets for $96. What is the price of a senior ticket? $_____

6) The difference of two numbers is 6. Their sum is 14. 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 18. Their sum is 66. What are the numbers? _____

9) The length of a rectangle is 3 meters greater than 2 times the width. The perimeter of rectangle is 30 meters. What is the length of the rectangle? _____

10) Jim has 44 nickels and dimes totaling $2.95. How many nickels does he have? _____

Answers

Systems of Equations Word Problems

1) 14
2) $32
3) 8
4) 5
5) $12
6) 10
7) 34
8) 42, 24
9) 11 *meters*
10) 29