Name:

Date:

Systems of Equations Word Problems

Solve each word problem.

1) 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?

2) 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?

3) 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?

4) 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? $\$$ _____

5) 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? _____

6) 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?

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

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

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

10) The difference of two numbers is 6. Their sum is 14 . What is the bigger number? $\$$_____

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5

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11 **meter**

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$32

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Mr. Jackson purchased 4 senior tickets and 6 child tickets for $96. What is the price of a senior ticket? $_____

$12

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34

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8

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42, 24

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29

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10