Name:

Date:

Systems of equations word problems

Solve.

1) The difference of two numbers is 4. their sum is 12. What is the bigger number?

2) A farmhouse shelters 14 animals, some are cows, and some are hens. Altogether there are 38 legs. How many cows are there?

3) Parsa and Alice are selling Chocolate and Biscuits. Parsa sold 7 Chocolate Boxes and 5 Biscuits for a total of $17. Alice sold 14 Chocolate boxes and 3 Biscuits for a total of $20. Find the cost of one Biscuits?

4) A class of 145 students went to museum. They took 11 vehicles, some cars and some buses. If each car holds 5 students and each bus hold 20 students, how many buses did they take?

5) A farmhouse shelters 25 animals, some are pigs, and some are hens. Altogether there are 80 legs. How many pigs are there?

6) The difference of two numbers is 8. their sum is 28. What is the bigger number?

7) The difference of two numbers is 6. their sum is 46. What is the lower number?

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Systems of equations word problems

Name:

Date:

Answers

Solve.

1) The difference of two numbers is 4. their sum is 12. What is the bigger number? 8

2) A farmhouse shelters 14 animals, some are cows, and some are hens. Altogether there are 38 legs. How many cows are there? 5 cows

3) Parsa and Alice are selling Chocolate and Biscuits. Parsa sold 7 Chocolate Boxes and 5 Biscuits for a total of $17. Alice sold 14 Chocolate boxes and 3 Biscuits for a total of $20. Find the cost of one Biscuits? 2 Biscuits

4) A class of 145 students went to museum. They took 11 vehicles, some cars and some buses. If each car holds 5 students and each bus hold 20 students, how many buses did they take? 6 buses

5) A farmhouse shelters 25 animals, some are pigs, and some are hens. Altogether there are 80 legs. How many pigs are there? 15 pigs

6) The difference of two numbers is 8. their sum is 28. What is the bigger number? 18

7) The difference of two numbers is 6. their sum is 46. What is the lower number? 20

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