

Algebra I Worksheet #4 Unit 3 page 1 _____

Solve each of the following problems algebraically (one variable solution). Show your work neatly organized.

1. The sum of four consecutive whole numbers is 42. What are the whole numbers?
2. The sum of four consecutive even whole numbers is 68. What are the whole numbers?
3. The sum of four consecutive odd whole numbers is 56. What are the whole numbers?
4. Jim is thinking of a number. If he multiplies his number by 6 and then adds 4, he gets 142. What was Jim's original number?
5. Mary is thinking of a number. If she adds four to her number and then multiplies by six, she gets 192. What was Mary's original number?

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Solve each of the following problems algebraically (one variable solution). Show your work neatly organized.

6. Mary and Joe drive toward each other from places that are 330 miles apart. Mary averages 30 miles per hour, while Joe averages 25 miles per hour. If they both start driving at 2:00 PM, then at what time will they meet?

7. Nancy and Alice drive toward each other from places that are 400 miles apart. Nancy leaves at 8:00 AM and averages 45 miles per hour. Alice also leaves at 8:00 AM, and averages 35 miles per hour. At what time will they meet?

8. Mark and Jane drive toward each other from places that are 230 miles apart. Mark averages 36 miles per hour and starts driving at 8:00 AM. Jane averages 43 miles per hour and starts driving at 10:00 AM. At what time will they meet?