Word Problems Worksheet Answer Key

Yeah, We've Got a Problem

Solve.

1. Jimmy is 3 years older than his brother Bill. The sum of three times Jimmy's age and twice Bill's age is equal to the their father's age. If their father is 44 years old, how old is Jimmy?

   10 years old

2. Sarah bought 25 t-shirts and shorts and spent a total of $ 200. If each t-shirt costs $5 and each pair of shorts cost $10, how many pairs of shorts did she buy?

   15 pairs of shorts

3. Stan and Kyle drove at a constant speed for 2 hours and 3 hours, respectively, and covered 390 miles total. If their average speed was 65 mph, find Kyle's speed.

   70 mph

4. The sum of money earned by Sarah and Tom in a week is $750. One week, they doubled their working hours and earned $2000. How much money did each of them earn?

   Cannot be determined; there is no solution to the system of equations.

5. Harry and Joe finished a coding job in 22 hours. When they doubled their hours, they finished the job in 11 hours. How many hours did Joe work?

   Cannot be determined; the system of equations has infinitely many solutions.

6. Bridget spends her weekly lunch budget of $44 by going to either Subway or Chipotle. Upon every visit to Subway and Chipotle, she spends $5, and $7, respectively. How many times does she go to Chipotle per week?

   4 times per week

7. Macademia nuts costs $6.75 per pound, and almonds cost $4.80 per pound. If Megan spends $51 buying 9 pounds of nuts, how many pounds of almonds did she buy?

5 pounds of almonds

8. Kelley has a total of $6 in dimes and quarters. If she has a total of 30 coins, how many quarters does she have?

20 quarters

9. Rob is planning to put a fence around a lawn with a perimeter of 40 ft. If he doubles the width of the lawn, the perimeter increases by 16ft. What is the length of the lawn?

14 ft

10. There are 23 students in a karate class. If the number of girls is 7 less than twice the number of boys, find the number of girls.

13 girls

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