

# WORD PROBLEM SYSTEMS OF EQUATIONS WORKSHEETS

## Answer Key

### Systems of Equations Work



1) Mark's Printing Inc. has two types of printing presses. Model A can print 100 books per day and Model B can print 75 books per day. Altogether Mark has 10 printing presses. If he can print 800 books in a day, then how many of each press does he have?  
 A) 10 of Model A and 0 of Model B     C) 10 of Model A and 0 of Model B  
 B) 0 of Model A and 0 of Model B     D) 0 of Model A and 0 of Model B



### step-by-step instructions on to solve the given problem

#### Problem

Sharon spent \$60 on shirts. Fancy shirts cost \$24, and plain shirts cost \$12 each. How many of each kind did she buy?

#### Solution

Step 1: Define variables (let  $x$  be the number of fancy shirts and  $y$  for the plain shirts)

Step 2: Set up equations (the total amount spent on shirts is \$60)

Step 3: Solve the system of equations

Step 4: Check the solution

Step 5: State the solution

Step 6: Verify the solution

Step 7: Simplify and solve for  $y$

Step 8: Substitute  $x$  into the first equation

Step 9: Simplify and solve for  $x$

Step 10: Check the solution

Step 11: State the solution

Step 12: Verify the solution

Step 13: State the solution

Step 14: Verify the solution

Step 15: State the solution

Step 16: Verify the solution

Step 17: State the solution

Step 18: Verify the solution

Step 19: State the solution

Step 20: Verify the solution

Step 21: State the solution

Step 22: Verify the solution

Name: \_\_\_\_\_

Date: \_\_\_\_\_



### Systems of Equations Worksheet



1) Mark's Printing Inc. has two types of printing presses: Model A and Model B. Model A can print 100 books per day and Model B can print 75 books per day. Altogether Mark has 10 printing presses. If he can print 800 books in a day, then how many of each press does he have?  
 A) 10 of Model A and 0 of Model B     C) 10 of Model A and 0 of Model B  
 B) 0 of Model A and 0 of Model B     D) 0 of Model A and 0 of Model B

2) Agon's Printing Inc. has two types of printing presses: Model A and Model B. Model A can print 100 books per day and Model B can print 75 books per day. Altogether Agon has 10 printing presses. If he can print 800 books in a day, then how many of each press does he have?  
 A) 10 of Model A and 0 of Model B     C) 0 of Model A and 0 of Model B  
 B) 0 of Model A and 0 of Model B     D) 0 of Model A and 0 of Model B

3) Scott's Custom-Kitchen Supplies sells handmade forks and spoons. It costs the store \$2 to buy the supplies to make a fork and \$1 to buy the supplies to make a spoon. The store sells forks for \$6 and spoons for \$4. Last April Scott's Custom-Kitchen Supplies spent \$40 on materials for forks and spoons. They sold the finished products for a total of \$150. How many forks and how many spoons did they make last April?  
 A) 20 forks and 0 spoons     C) 10 forks and 0 spoons  
 B) 10 forks and 10 spoons     D) 20 forks and 0 spoons

4) There are 20 animals in the farm. Some are chickens and some are buffaloes. There are 60 legs in all. How many of each animal are there?  
 A) 20 chickens and 0 buffaloes     C) 20 chickens and 0 buffaloes  
 B) 10 chickens and 10 buffaloes     D) 20 chickens and 0 buffaloes

5) Mr. Hubby's Printing Company (MC) there are two kinds of printing presses: Model A which can print 100 books per day and Model B which can print 75 books per day. The company owns 10 total printing presses and this allows them to print 800 books per day. How many of each type of press do they have?  
 A) 4 of Model A and 2 of Model B     C) 0 of Model A and 0 of Model B  
 B) 0 of Model A and 0 of Model B     D) 4 of Model A and 0 of Model B

6) There are 20 animals in the farm. Some are chickens and some are cows. There are 60 legs in all. How many of each animal are there?  
 A) 10 chickens and 4 cows     C) 0 chickens and 0 cows  
 B) 10 chickens and 0 cows     D) 0 chickens and 10 cows

# 7<sup>TH</sup> - 10<sup>TH</sup>

# Multiple Choice Solving Equations Word Problems

**Michael Hoelscher**



**Multiple Choice Solving Equations Word Problems:**

## Unveiling the Energy of Verbal Beauty: An Psychological Sojourn through **Multiple Choice Solving Equations Word Problems**

In some sort of inundated with monitors and the cacophony of immediate transmission, the profound energy and mental resonance of verbal art usually fade in to obscurity, eclipsed by the constant onslaught of noise and distractions. Yet, set within the lyrical pages of **Multiple Choice Solving Equations Word Problems**, a fascinating perform of literary elegance that impulses with organic feelings, lies an unique trip waiting to be embarked upon. Written by a virtuoso wordsmith, this mesmerizing opus books viewers on a mental odyssey, delicately revealing the latent potential and profound impact stuck within the delicate web of language. Within the heart-wrenching expanse of the evocative examination, we can embark upon an introspective exploration of the book is central styles, dissect its interesting writing design, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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