General Algebra 2

Lesson #4 Unit 3

Class Worksheet #4

For Worksheets #5 - #8

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first:

second:

General Algebra 2   CWS #4   Unit 3

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1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second:

General Algebra 2 CWS #4 Unit 3

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1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

General Algebra 2   CWS #4   Unit 3

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1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x   x

second: y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $x +$

second: y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad$ $x + y$

second: y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad\quad$ $x + y =$

second: y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad\quad$ $x + y = 20$

second: y

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad$ $x + y = 20$

second: y $\quad$ x

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad\quad$ $x + y = 20$

second: y $\quad\quad$ $x =$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $x + y = 20$

second: y $x = 3y$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad\quad x + y = 20$

second: y $\quad\quad x = 3y -$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $x + y = 20$

second: y $x = 3y - 4$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\qquad$ $x + y = 20$ $\qquad$ $(3y - 4)$

second: y $\qquad$ $x = 3y - 4$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad x + y = 20 \quad (3y - 4) +$

second: y $\quad x = 3y - 4$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y$
second: y	$x = 3y - 4$	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x $\quad$ $x + y = 20$ $\quad$ $(3y - 4) + y =$

second: y $\quad$ $x = 3y - 4$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$$x + y = 20$$

$$x = 3y - 4$$

$$(3y - 4) + y = 20$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$x + y = 20$

$x = 3y - 4$

$(3y - 4) + y = 20$

$4y$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$
second: y	$x = 3y - 4$	$4y - 4$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$
second: y	$x = 3y - 4$	$4y - 4 = 20$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$
second: y	$x = 3y - 4$	$4y - 4 = 20$
		$4y$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$
second: y	$x = 3y - 4$	$4y - 4 = 20$
		$4y =$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$$x + y = 20$$
$$x = 3y - 4$$

$$(3y - 4) + y = 20$$
$$4y - 4 = 20$$
$$4y = 24$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$x + y = 20$

$x = 3y - 4$

$(3y - 4) + y = 20$

$4y - 4 = 20$

$4y = 24$

$y =$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$
second: y	$x = 3y - 4$	$4y - 4 = 20$
		$4y = 24$
		$y = 6$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$x + y = 20$

$x = 3y - 4$

$(3y - 4) + y = 20$

$4y - 4 = 20$

$4y = 24$

$y = 6$

$x = 3y - 4$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$	$x = 3y - 4$
second: y	$x = 3y - 4$	$4y - 4 = 20$	$x =$
		$4y = 24$	
		$y = 6$	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$x + y = 20$

$x = 3y - 4$

$(3y - 4) + y = 20$

$4y - 4 = 20$

$4y = 24$

$y = 6$

$x = 3y - 4$

$x = 3(6)$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$x + y = 20$

$x = 3y - 4$

$(3y - 4) + y = 20$

$4y - 4 = 20$

$4y = 24$

$y = 6$

$x = 3y - 4$

$x = 3(6) - 4$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$x + y = 20$

$x = 3y - 4$

$(3y - 4) + y = 20$

$4y - 4 = 20$

$4y = 24$

$y = 6$

$x = 3y - 4$

$x = 3(6) - 4$

$x =$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$	$x = 3y - 4$
second: y	$x = 3y - 4$	$4y - 4 = 20$	$x = 3(6) - 4$
		$4y = 24$	$x = 18$
		$y = 6$	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$$x + y = 20$$
$$x = 3y - 4$$

$$(3y - 4) + y = 20$$
$$4y - 4 = 20$$
$$4y = 24$$
$$y = 6$$

$$x = 3y - 4$$
$$x = 3(6) - 4$$
$$x = 18 - 4$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$	$x = 3y - 4$
second: y	$x = 3y - 4$	$4y - 4 = 20$	$x = 3(6) - 4$
		$4y = 24$	$x = 18 - 4$
		$y = 6$	$x =$

General Algebra 2 CWS #4 Unit 3

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1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x	$x + y = 20$	$(3y - 4) + y = 20$	$x = 3y - 4$
second: y	$x = 3y - 4$	$4y - 4 = 20$	$x = 3(6) - 4$
		$4y = 24$	$x = 18 - 4$
		$y = 6$	$x = 14$

General Algebra 2 CWS #4 Unit 3

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1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$$x + y = 20$$
$$x = 3y - 4$$

$$(3y - 4) + y = 20$$
$$4y - 4 = 20$$
$$4y = 24$$
$$y = 6$$

$$x = 3y - 4$$
$$x = 3(6) - 4$$
$$x = 18 - 4$$
$$x = 14$$

The first number is 14,

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

1. The sum of two numbers is 20. The first number is 4 less than three times the second. What are the numbers?

first: x

second: y

$$x + y = 20$$
$$x = 3y - 4$$

$$(3y - 4) + y = 20$$
$$4y - 4 = 20$$
$$4y = 24$$
$$y = 6$$

$$x = 3y - 4$$
$$x = 3(6) - 4$$
$$x = 18 - 4$$
$$x = 14$$

The first number is 14, and the second number is 6.

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first:

second:

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second:

General Algebra 2   CWS #4   Unit 3

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2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

General Algebra 2   CWS #4   Unit 3

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2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x x

second: y

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $\qquad$ $x +$

second: y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $\qquad\qquad$ $x + y$

second: y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $x + y =$

second: y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $x + y = 15$

second: y

General Algebra 2   CWS #4   Unit 3

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2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $x + y = 15$

second: y   x

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $\quad\quad x + y = 15$

second: y $\quad\quad x -$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $x + y = 15$

second: y $x - y$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $\quad x + y = 15$

second: y $\quad x - y =$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x $\qquad$ $x + y = 15$

second: y $\qquad$ $x - y = 9$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ \underline{x - y = 9} \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \end{array}$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = 12 \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = 12 \end{array}$$

$x + y = 15$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = 12 \end{array}$$

$x + y = 15$

12

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = 12 \end{array}$$

$x + y = 15$

$12 + y$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ \underline{x - y = 9} \\ 2x = 24 \\ x = 12 \end{array}$$

$$\begin{array}{r} x + y = 15 \\ 12 + y = 15 \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = 12 \end{array}$$

$$x + y = 15$$
$$12 + y = 15$$
$$y =$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = 12 \end{array}$$

$$x + y = 15$$

$$12 + y = 15$$

$$y = 3$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

2. The sum of two numbers is 15. Their difference is 9. What are the numbers?

first: x

second: y

$$\begin{array}{r} x + y = 15 \\ x - y = 9 \\ \hline 2x = 24 \\ x = 12 \end{array}$$

$$\begin{aligned} x + y &= 15 \\ 12 + y &= 15 \\ y &= 3 \end{aligned}$$

The numbers are 12 and 3.

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

3. A coin collection consists of ordinary dimes and nickels and is worth a total of $3.20. If there are 40 coins in the collection, then how many coins of each type are there?

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

3. A coin collection consists of ordinary dimes and nickels and is worth a total of $3.20. If there are 40 coins in the collection, then how many coins of each type are there?

dimes:

nickels:

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

3. A coin collection consists of ordinary dimes and nickels and is worth a total of $3.20. If there are 40 coins in the collection, then how many coins of each type are there?

	number of coins
dimes:	
nickels:	

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

3. A coin collection consists of ordinary dimes and nickels and is worth a total of $3.20. If there are 40 coins in the collection, then how many coins of each type are there?

	number of coins
dimes:	x
nickels:	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

3. A coin collection consists of ordinary dimes and nickels and is worth a total of $3.20. If there are 40 coins in the collection, then how many coins of each type are there?

	number of coins
dimes:	x
nickels:	y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

3. A coin collection consists of ordinary dimes and nickels and is worth a total of $3.20. If there are 40 coins in the collection, then how many coins of each type are there?

	number of coins
dimes:	x
nickels:	y
total	

General Algebra 2   CWS #4   Unit 3

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	number of coins
dimes:	x
nickels:	y
total	40

General Algebra 2   CWS #4   Unit 3

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	number of coins	x
dimes:	x	
nickels:	y	
total	40	

General Algebra 2   CWS #4   Unit 3

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dimes:	x
nickels:	y
total	40

$x +$

General Algebra 2 CWS #4 Unit 3

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General Algebra 2   CWS #4   Unit 3

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dimes:	x
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total	40

$x + y =$

General Algebra 2 CWS #4 Unit 3

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nickels:	y
total	40

$$x + y = 40$$

General Algebra 2 CWS #4 Unit 3

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	number of coins	Value of the coins
dimes:	x	
nickels:	y	
total	40	

$x + y = 40$

General Algebra 2 CWS #4 Unit 3

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3. A coin collection consists of ordinary dimes and nickels and is worth a total of \$3.20. If there are 40 coins in the collection, then how many coins of each type are there?

	number of coins	Value of the coins
dimes:	x	10x¢
nickels:	y	
total	40	

$x + y = 40$

General Algebra 2 CWS #4 Unit 3

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	number of coins	Value of the coins
dimes:	x	$10x$¢
nickels:	y	$5y$¢
total	40	

$$x + y = 40$$

General Algebra 2   CWS #4   Unit 3

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	number of coins	Value of the coins
dimes:	x	10x¢
nickels:	y	5y¢
total	40	320¢

$$x + y = 40$$

General Algebra 2 CWS #4 Unit 3

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$10x$

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total	40	320¢

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	number of coins	Value of the coins
dimes:	x	10x¢
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total	40	320¢

$$x + y = 40 \xrightarrow{-5}$$

$$10x + 5y = 320$$

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General Algebra 2 CWS #4 Unit 3

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General Algebra 2 CWS #4 Unit 3

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$$x + y = 40 \xrightarrow{-5} -5x - 5y = -200$$

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General Algebra 2   CWS #4   Unit 3

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$$x + y = 40 \xrightarrow{-5} -5x - 5y = -200$$

$$10x + 5y = 320 \longrightarrow 10x + 5y = 320$$

$$5x = 120$$

General Algebra 2 CWS #4 Unit 3

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total	40	320¢

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x

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x =

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$$5x = 120$$

$$\mathbf{x = 24}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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$$x + y = 40 \xrightarrow{-5} -5x - 5y = -200$$

$$10x + 5y = 320 \longrightarrow 10x + 5y = 320$$

$$5x = 120$$

$$\mathbf{x = 24}$$

$$x + y = 40$$

General Algebra 2 CWS #4 Unit 3

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$$10x + 5y = 320 \longrightarrow 10x + 5y = 320$$

$$5x = 120$$

$$\mathbf{x = 24}$$

$$x + y = 40$$

$$24$$

General Algebra 2 CWS #4 Unit 3

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$$5x = 120$$

$$\mathbf{x = 24}$$

$$x + y = 40$$

$$24 + y$$

General Algebra 2 CWS #4 Unit 3

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$$\mathbf{x = 24}$$

$$x + y = 40$$

$$24 + y = 40$$

$$\mathbf{y =}$$

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$$10x + 5y = 320 \longrightarrow 10x + 5y = 320$$

$$5x = 120$$

$$\mathbf{x = 24}$$

$$x + y = 40$$

$$24 + y = 40$$

$$\mathbf{y = 16}$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 40 \xrightarrow{-5} -5x - 5y = -200$$

$$10x + 5y = 320 \longrightarrow 10x + 5y = 320$$

$$5x = 120$$

$$\mathbf{x = 24}$$

$$x + y = 40$$

$$24 + y = 40$$

$$\mathbf{y = 16}$$

There are 24 dimes and 16 nickels.

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

4. A collection of ordinary dimes and quarters is worth $8. The number of dimes is one less than two times the number of quarters. How many coins of each type are in the collection?

General Algebra 2   CWS #4   Unit 3

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dimes:

quarters:

General Algebra 2 CWS #4 Unit 3

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	number of coins
dimes:	
quarters:	

General Algebra 2 CWS #4 Unit 3

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4. A collection of ordinary dimes and quarters is worth $8. The number of dimes is one less than two times the number of quarters. How many coins of each type are in the collection?

	number of coins
dimes:	x
quarters:	

General Algebra 2 CWS #4 Unit 3

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	number of coins
dimes:	x
quarters:	y

General Algebra 2 CWS #4 Unit 3

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	number of coins	Value of the coins
dimes:	x	
quarters:	y	

General Algebra 2 CWS #4 Unit 3

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	number of coins	Value of the coins
dimes:	x	10x¢
quarters:	y	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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	number of coins	Value of the coins
dimes:	x	10x¢
quarters:	y	25y¢

General Algebra 2 CWS #4 Unit 3

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	number of coins	Value of the coins
dimes:	x	10x¢
quarters:	y	25y¢
total		

General Algebra 2 CWS #4 Unit 3

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General Algebra 2 CWS #4 Unit 3

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General Algebra 2   CWS #4   Unit 3

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$$\mathbf{y = 18}$$

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$$10(2y - 1) + 25y = 800 \qquad x = 2y - 1$$

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$$45y = 810$$

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$$x = 2y - 1$$

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$20y - 10 + 25y = 800$

$45y - 10 = 800$

$45y = 810$

$\mathbf{y = 18}$

$x = 2y - 1$

$x = 2(18)$

General Algebra 2 CWS #4 Unit 3

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$$x = 2(18) - 1$$

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$$45y - 10 = 800$$

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$$\mathbf{y = 18}$$

$$x = 2y - 1$$

$$x = 2(18) - 1$$

$$\mathbf{x = 35}$$

General Algebra 2 CWS #4 Unit 3

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$$20y - 10 + 25y = 800$$

$$45y - 10 = 800$$

$$45y = 810$$

$$\mathbf{y = 18}$$

$$x = 2y - 1$$

$$x = 2(18) - 1$$

$$\mathbf{x = 35}$$

There are 35 dimes and 18 quarters.

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

General Algebra 2   CWS #4   Unit 3

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Bill:

Sue:

General Algebra 2   CWS #4   Unit 3

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Bill: x

Sue:

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Bill: x

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Bill: x

Sue: <u>y</u>

total

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Bill:	x
Sue:	y
total	1000

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X

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Bill:	x	x +
Sue:	y	
total	1000	

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$x + y$

Bill:	x
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Bill:	x	x + y =
Sue:	y	
total	1000	

General Algebra 2   CWS #4   Unit 3

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total	1000

$$x + y = 1000$$

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Bill:	x	$x + y = 1000$
Sue:	y	y
total	1000	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x		$x + y = 1000$
Sue:	y		$y =$
total	1000		

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x	$x + y = 1000$
Sue:	y	$y = 4x$
total	1000	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$x + y = 1000$

$y = 4x +$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$x + y = 1000$

$y = 4x + 25$

x

General Algebra 2 CWS #4 Unit 3

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Bill:	x
Sue:	y
total	1000

$x + y = 1000$

$y = 4x + 25$

$x +$

General Algebra 2 CWS #4 Unit 3

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5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$x + y = 1000$

$y = 4x + 25$

$x + (4x + 25)$

General Algebra 2 CWS #4 Unit 3

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5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) =$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

General Algebra 2   CWS #4   Unit 3

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5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x +$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25$$

General Algebra 2 CWS #4 Unit 3

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Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 =$$

General Algebra 2 CWS #4 Unit 3

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Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x =$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

x

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x} =$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x = 195}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x = 195}$$

$$y = 4x + 25$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x = 195}$$

$$y = 4x + 25$$

$$y =$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$x + y = 1000$

$y = 4x + 25$

$x + (4x + 25) = 1000$

$5x + 25 = 1000$

$5x = 975$

$\mathbf{x = 195}$

$y = 4x + 25$

$y = 780$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of \$1000. If Sue earned \$25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x = 195}$$

$$y = 4x + 25$$

$$y = 780 +$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$x + y = 1000$

$y = 4x + 25$

$x + (4x + 25) = 1000$

$5x + 25 = 1000$

$5x = 975$

$\mathbf{x = 195}$

$y = 4x + 25$

$y = 780 + 25$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x = 195}$$

$$y = 4x + 25$$

$$y = 780 + 25$$

$$\mathbf{y =}$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x = 195}$$

$$y = 4x + 25$$

$$y = 780 + 25$$

$$\mathbf{y = 805}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

5. Bill and Sue earned a total of $1000. If Sue earned $25 more than 4 times the amount earned by Tom, then how much did each person earn?

Bill:	x
Sue:	y
total	1000

$$x + y = 1000$$

$$y = 4x + 25$$

$$x + (4x + 25) = 1000$$

$$5x + 25 = 1000$$

$$5x = 975$$

$$\mathbf{x = 195}$$

$$y = 4x + 25$$

$$y = 780 + 25$$

$$\mathbf{y = 805}$$

Bill earned $195, and Sue earned $805.

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

brand A:

brand B:

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds
brand A:	
brand B:	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds
brand A:	x
brand B:	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds
brand A:	x
brand B:	y

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds
brand A:	x
brand B:	y
mixture	

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth $1.50 per pound is mixed with coffee worth $1.80 per pound to produce a 50 pound blend worth $1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds
brand A:	x
brand B:	y
mixture	50

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth $1.50 per pound is mixed with coffee worth $1.80 per pound to produce a 50 pound blend worth $1.59 per pound. How many pounds of each type of coffee is used?

x

	number of pounds
brand A:	x
brand B:	y
mixture	50

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth $1.50 per pound is mixed with coffee worth $1.80 per pound to produce a 50 pound blend worth $1.59 per pound. How many pounds of each type of coffee is used?

$x +$

	number of pounds
brand A:	x
brand B:	y
mixture	50

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth $1.50 per pound is mixed with coffee worth $1.80 per pound to produce a 50 pound blend worth $1.59 per pound. How many pounds of each type of coffee is used?

$x + y$

	number of pounds
brand A:	x
brand B:	y
mixture	50

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth $1.50 per pound is mixed with coffee worth $1.80 per pound to produce a 50 pound blend worth $1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds
brand A:	x
brand B:	y
mixture	50

$x + y =$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds
brand A:	x
brand B:	y
mixture	50

$$x + y = 50$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound
brand A:	x	
brand B:	y	
mixture	50	

$$x + y = 50$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound
brand A:	x	150¢
brand B:	y	
mixture	50	

$$x + y = 50$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound
brand A:	x	150¢
brand B:	y	180¢
mixture	50	

$x + y = 50$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth $1.50 per pound is mixed with coffee worth $1.80 per pound to produce a 50 pound blend worth $1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound
brand A:	x	150¢
brand B:	y	180¢
mixture	50	159¢

$x + y = 50$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound	total value
brand A:	x	150¢	
brand B:	y	180¢	
mixture	50	159¢	

$$x + y = 50$$

General Algebra 2 CWS #4 Unit 3

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	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	
mixture	50	159¢	

$$x + y = 50$$

General Algebra 2 CWS #4 Unit 3

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	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	

$x + y = 50$

General Algebra 2   CWS #4   Unit 3

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	number of pounds	value per pound	total value
brand A:	x	150¢	$150x$¢
brand B:	y	180¢	$180y$¢
mixture	50	159¢	

$$x + y = 50$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$x + y = 50$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$x + y = 50$

$150x$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x +$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$x + y = 50$

$150x + 180y =$

General Algebra 2   CWS #4   Unit 3

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	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

General Algebra 2 CWS #4 Unit 3

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6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$15x$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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	number of pounds	value per pound	total value
brand A:	x	150¢	150x¢
brand B:	y	180¢	180y¢
mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$15x +$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

6. Coffee worth \$1.50 per pound is mixed with coffee worth \$1.80 per pound to produce a 50 pound blend worth \$1.59 per pound. How many pounds of each type of coffee is used?

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$$x + y = 50$$

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$$15x + 18y$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

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General Algebra 2   CWS #4   Unit 3

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$$-15x$$

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$$-15x - 15y$$

General Algebra 2 CWS #4 Unit 3

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General Algebra 2   CWS #4   Unit 3

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$$x + y = 50$$

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$$15x + 18y = 795$$

$$-15x - 15y = -750$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

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$$\begin{array}{r} 15x + 18y = 795 \\ -15x - 15y = -750 \\ \hline 3y \end{array}$$

General Algebra 2 CWS #4 Unit 3

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General Algebra 2 CWS #4 Unit 3

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brand A:	x	150¢	150x¢
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mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

y =

General Algebra 2 CWS #4 Unit 3

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mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$$\begin{aligned} 15x + 18y &= 795 \\ -15x - 15y &= -750 \\ \hline 3y &= 45 \end{aligned}$$

$$\mathbf{y = 15}$$

General Algebra 2 CWS #4 Unit 3

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mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

$$\mathbf{y = 15}$$

$$x + y = 50$$

General Algebra 2 CWS #4 Unit 3

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$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

$$\mathbf{y = 15}$$

$$x + y = 50$$

x

General Algebra 2 CWS #4 Unit 3

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$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

$$\mathbf{y = 15}$$

$$x + y = 50$$

$$x +$$

General Algebra 2 CWS #4 Unit 3

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$$15x + 18y = 795$$
$$-15x - 15y = -750$$
$$3y = 45$$
$$\mathbf{y = 15}$$

$$x + y = 50$$
$$x + 15$$

General Algebra 2 CWS #4 Unit 3

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mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

$$\mathbf{y = 15}$$

$$x + y = 50$$

$$x + 15 = 50$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

$$\mathbf{y = 15}$$

$$x + y = 50$$

$$x + 15 = 50$$

$$\mathbf{x =}$$

General Algebra 2 CWS #4 Unit 3

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mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

$$\mathbf{y = 15}$$

$$x + y = 50$$

$$x + 15 = 50$$

$$\mathbf{x = 35}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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mixture	50	159¢	7950¢

$$x + y = 50$$

$$150x + 180y = 7950$$

$$15x + 18y = 795$$

$$-15x - 15y = -750$$

$$3y = 45$$

$$\mathbf{y = 15}$$

$$x + y = 50$$

$$x + 15 = 50$$

$$\mathbf{x = 35}$$

Use 35 pounds @ \$1.50 per pound and 15 pounds @ \$1.80 per pound.

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. \$200 is to be divided between two people so that one receives \$25 less than four times what the other receives. How much will each person receive?

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

First person:

Second person:

General Algebra 2 CWS #4 Unit 3

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7. \$200 is to be divided between two people so that one receives \$25 less than four times what the other receives. How much will each person receive?

First person: x

Second person:

General Algebra 2 CWS #4 Unit 3

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First person: x
Second person: y

General Algebra 2 CWS #4 Unit 3

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7. \$200 is to be divided between two people so that one receives \$25 less than four times what the other receives. How much will each person receive?

First person: x

Second person: __y__

total

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

First person:	x
Second person:	y
total	200

General Algebra 2   CWS #4   Unit 3

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7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

x

First person: x

Second person: y

total 200

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

x +

First person: x

Second person: y

total 200

General Algebra 2 CWS #4 Unit 3

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7. \$200 is to be divided between two people so that one receives \$25 less than four times what the other receives. How much will each person receive?

$x + y$

First person: x

Second person: y

total 200

General Algebra 2 CWS #4 Unit 3

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7. \$200 is to be divided between two people so that one receives \$25 less than four times what the other receives. How much will each person receive?

$x + y =$

First person:	x
Second person:	y
total	200

General Algebra 2 CWS #4 Unit 3

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$$x + y = 200$$

First person: x

Second person: y

total 200

General Algebra 2 CWS #4 Unit 3

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$x + y = 200$

y

First person:	x
Second person:	y
total	200

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$$x + y = 200$$

$$y =$$

First person:	x
Second person:	y
total	200

General Algebra 2   CWS #4   Unit 3

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First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

$x + y = 200$

$y = 4x -$

First person:	x
Second person:	y
total	200

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

$x + y = 200$

$y = 4x - 25$

First person:	x
Second person:	y
total	200

x

General Algebra 2 CWS #4 Unit 3

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$$x + y = 200$$

$$y = 4x - 25$$

First person:	x
Second person:	y
total	200

$x +$

General Algebra 2   CWS #4   Unit 3

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$$x + y = 200$$

$$y = 4x - 25$$

First person:	x
Second person:	y
total	200

$$x + (4x - 25)$$

General Algebra 2 CWS #4 Unit 3

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7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

$$x + y = 200$$

$$y = 4x - 25$$

First person:	x
Second person:	y
total	200

$$x + (4x - 25) =$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

General Algebra 2 CWS #4 Unit 3

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7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

$$x + y = 200$$

$$y = 4x - 25$$

First person:	x
Second person:	y
total	200

$$x + (4x - 25) = 200$$

$$5x$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. \$200 is to be divided between two people so that one receives \$25 less than four times what the other receives. How much will each person receive?

First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x -$$

General Algebra 2 CWS #4 Unit 3

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7. \$200 is to be divided between two people so that one receives \$25 less than four times what the other receives. How much will each person receive?

First person:	x
Second person:	y
total	200

$x + y = 200$

$y = 4x - 25$

$x + (4x - 25) = 200$

$5x - 25$

General Algebra 2 CWS #4 Unit 3

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First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 =$$

General Algebra 2   CWS #4   Unit 3

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First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

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First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x$$

General Algebra 2   CWS #4   Unit 3

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First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x =$$

General Algebra 2 CWS #4 Unit 3

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First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

General Algebra 2 CWS #4 Unit 3

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First person:	x
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total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

$$\mathbf{x}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

$$\mathbf{x =}$$

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$$5x = 225$$

$$\mathbf{x = 45}$$

General Algebra 2 CWS #4 Unit 3

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$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

$$\mathbf{x = 45}$$

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Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

$$\mathbf{x = 45}$$

$$y = 4x - 25$$

$$y =$$

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Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

$$\mathbf{x = 45}$$

$$y = 4x - 25$$

$$y = 180$$

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First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

$$\mathbf{x = 45}$$

$$y = 4x - 25$$

$$y = 180 - 25$$

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First person:	x
Second person:	y
total	200

$$x + y = 200$$
$$y = 4x - 25$$

$$x + (4x - 25) = 200$$
$$5x - 25 = 200$$
$$5x = 225$$
$$\mathbf{x = 45}$$

$$y = 4x - 25$$
$$y = 180 - 25$$
$$\mathbf{y =}$$

General Algebra 2 CWS #4 Unit 3

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First person:	x
Second person:	y
total	200

$$x + y = 200$$
$$y = 4x - 25$$

$$x + (4x - 25) = 200$$
$$5x - 25 = 200$$
$$5x = 225$$
$$\mathbf{x = 45}$$

$$y = 4x - 25$$
$$y = 180 - 25$$
$$\mathbf{y = 155}$$

General Algebra 2 CWS #4 Unit 3

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7. $200 is to be divided between two people so that one receives $25 less than four times what the other receives. How much will each person receive?

First person:	x
Second person:	y
total	200

$$x + y = 200$$

$$y = 4x - 25$$

$$x + (4x - 25) = 200$$

$$5x - 25 = 200$$

$$5x = 225$$

$$\mathbf{x = 45}$$

$$y = 4x - 25$$

$$y = 180 - 25$$

$$\mathbf{y = 155}$$

One person received $45, and the other received $155.

General Algebra 2 CWS #4 Unit 3

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General Algebra 2   CWS #4   Unit 3

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first:

second:

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	amount invested
first:	
second:	

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	amount invested
first:	x
second:	

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	amount invested
first:	x
second:	y

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	amount invested
first:	x
second:	y
total	

General Algebra 2 CWS #4 Unit 3

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	amount invested
first:	x
second:	y
total	\$5000

General Algebra 2 CWS #4 Unit 3

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x

	amount invested
first:	x
second:	y
total	$5000

General Algebra 2   CWS #4   Unit 3

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$x +$

	amount invested
first:	x
second:	y
total	$5000

General Algebra 2   CWS #4   Unit 3

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second:	y
total	\$5000

$x + y$

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	amount invested
first:	x
second:	y
total	\$5000

$x + y =$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 5000$$

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	amount invested	interest rate
first:	x	
second:	y	
total	$5000	

$$x + y = 5000$$

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General Algebra 2   CWS #4   Unit 3

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$x + y = 5000$

	amount invested	interest rate	interest earned
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total	\$5000		

General Algebra 2   CWS #4   Unit 3

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$$.03x +$$

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3x

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$3x +$

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$$3x + 4y$$

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total	\$5000		\$185

$$x + y = 5000$$

$$.03x + .04y = 185$$

$$3x + 4y = 18{,}500$$

General Algebra 2   CWS #4   Unit 3

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$-3x$

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$$-3x -$$

General Algebra 2   CWS #4   Unit 3

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$$-3x - 3y$$

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y

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$$\mathbf{y = 3{,}500}$$

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$$\begin{array}{r} 3x + 4y = 18{,}500 \\ -3x - 3y = -15{,}000 \\ \hline \end{array}$$

$$\mathbf{y = 3{,}500}$$

$$x + y = 5000$$

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$$\mathbf{y = 3{,}500}$$

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x

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$$x +$$

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8. Mary invested $5000, part at 3% per year and the rest at 4% per year. If the total interest for the year was $185, then how much was invested at each rate?

	amount invested	interest rate	interest earned
first:	x	3%	.03x
second:	y	4%	.04y
total	$5000		$185

$$x + y = 5000$$
$$.03x + .04y = 185$$

$$3x + 4y = 18{,}500$$
$$-3x - 3y = -15{,}000$$

$$\mathbf{y = 3{,}500}$$

$$x + y = 5000$$
$$x + 3500$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

8. Mary invested \$5000, part at 3% per year and the rest at 4% per year. If the total interest for the year was \$185, then how much was invested at each rate?

	amount invested	interest rate	interest earned
first:	x	3%	.03x
second:	y	4%	.04y
total	\$5000		\$185

$$x + y = 5000$$

$$.03x + .04y = 185$$

$$3x + 4y = 18{,}500$$

$$-3x - 3y = -15{,}000$$

$$\mathbf{y = 3{,}500}$$

$$x + y = 5000$$

$$x + 3500 =$$

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	amount invested	interest rate	interest earned
first:	x	3%	.03x
second:	y	4%	.04y
total	\$5000		\$185

$$x + y = 5000$$

$$.03x + .04y = 185$$

$$3x + 4y = 18{,}500$$

$$-3x - 3y = -15{,}000$$

$$\mathbf{y = 3{,}500}$$

$$x + y = 5000$$

$$x + 3500 = 5000$$

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first:	x	3%	.03x
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total	$5000		$185

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$$3x + 4y = 18{,}500$$
$$-3x - 3y = -15{,}000$$

$$\mathbf{y = 3{,}500}$$

$$x + y = 5000$$
$$x + 3500 = 5000$$
$$\mathbf{x =}$$

General Algebra 2 CWS #4 Unit 3

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first:	x	3%	.03x
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total	$5000		$185

$$x + y = 5000$$
$$.03x + .04y = 185$$

$$3x + 4y = 18{,}500$$
$$-3x - 3y = -15{,}000$$

$$\mathbf{y = 3{,}500}$$

$$x + y = 5000$$
$$x + 3500 = 5000$$
$$\mathbf{x = 1500}$$

General Algebra 2 CWS #4 Unit 3

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	amount invested	interest rate	interest earned
first:	x	3%	.03x
second:	y	4%	.04y
total	$5000		$185

$$x + y = 5000$$
$$.03x + .04y = 185$$

$$3x + 4y = 18{,}500$$
$$-3x - 3y = -15{,}000$$

$$\mathbf{y = 3{,}500}$$

$$x + y = 5000$$
$$x + 3500 = 5000$$
$$\mathbf{x = 1500}$$

She invested $1500 at 3% and $3500 at 4%.

General Algebra 2 CWS #4 Unit 3

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first:

second:

General Algebra 2 CWS #4 Unit 3

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volume
of solution

first:

second:

General Algebra 2   CWS #4   Unit 3

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	volume of solution
first:	x
second:	

General Algebra 2 CWS #4 Unit 3

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	volume of solution
first:	x
second:	y

General Algebra 2 CWS #4 Unit 3

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	volume of solution
first:	x
second:	y
total	

General Algebra 2   CWS #4   Unit 3

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	volume of solution
first:	x
second:	y
total	50 cc

General Algebra 2 CWS #4 Unit 3

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x

	volume of solution
first:	x
second:	y
total	50 cc

General Algebra 2   CWS #4   Unit 3

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x +

	volume of solution
first:	x
second:	y
total	50 cc

General Algebra 2 CWS #4 Unit 3

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$x + y$

	volume of solution
first:	x
second:	y
total	50 cc

General Algebra 2   CWS #4   Unit 3

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$x + y =$

	volume of solution
first:	x
second:	y
total	50 cc

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

	volume of solution
first:	x
second:	y
total	50 cc

General Algebra 2 CWS #4 Unit 3

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$x + y = 50$

	volume of solution	percent acid
first:	x	
second:	y	
total	50 cc	

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first:	x	35%
second:	y	
total	50 cc	

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General Algebra 2   CWS #4   Unit 3

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General Algebra 2   CWS #4   Unit 3

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	volume of solution	percent acid	volume of acid
first:	x	35%	.35x
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total	50 cc	25%	12.5 cc

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$$.35x + .10y$$

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$$.35x + .10y = 12.5$$

$$35x$$

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$35x +$

General Algebra 2 CWS #4 Unit 3

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$$35x + 10y$$

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General Algebra 2   CWS #4   Unit 3

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$$.35x + .10y = 12.5$$

$$35x + 10y =$$

General Algebra 2 CWS #4 Unit 3

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first:	x	35%	$.35x$
second:	y	10%	$.10y$
total	50 cc	25%	12.5 cc

$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

General Algebra 2   CWS #4   Unit 3

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	volume of solution	percent acid	volume of acid
first:	x	35%	.35x
second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$x + y = 50$

$.35x + .10y = 12.5$

$35x + 10y = 1250$

$-10x$

General Algebra 2 CWS #4 Unit 3

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first:	x	35%	.35x
second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x -$$

General Algebra 2 CWS #4 Unit 3

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first:	x	35%	.35x
second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y$$

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total	50 cc	25%	12.5 cc

$$x + y = 50$$

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$$35x + 10y = 1250$$

$$-10x - 10y =$$

General Algebra 2   CWS #4   Unit 3

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second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

General Algebra 2 CWS #4 Unit 3

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first:	x	35%	.35x
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$$x + y = 50$$

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$$35x + 10y = 1250$$

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second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$$x + y = 50$$
$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$
$$-10x - 10y = -500$$
$$\overline{\quad 25x \quad}$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

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$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x =$$

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	volume of solution	percent acid	volume of acid
first:	x	35%	.35x
second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

General Algebra 2 CWS #4 Unit 3

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total	50 cc	25%	12.5 cc

$$x + y = 50$$

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$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

x =

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$$x + y = 50$$

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$$35x + 10y = 1250$$
$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

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total	50 cc	25%	12.5 cc

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$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

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$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

$$30$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

9. A chemist has one solution that is 35% acid and another that is 10% acid. How much of each solution should she use to make 50cc of a solution that is 25% acid?

	volume of solution	percent acid	volume of acid
first:	x	35%	.35x
second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

$$30 +$$

General Algebra 2 CWS #4 Unit 3

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total	50 cc	25%	12.5 cc

$x + y = 50$

$.35x + .10y = 12.5$

$35x + 10y = 1250$

$-10x - 10y = -500$

$25x = 750$

$\mathbf{x = 30}$

$x + y = 50$

$30 + y$

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$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$
$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

$$30 + y =$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

$$30 + y = 50$$

General Algebra 2 CWS #4 Unit 3

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$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

$$30 + y = 50$$

$$\mathbf{y =}$$

General Algebra 2   CWS #4   Unit 3

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$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

$$30 + y = 50$$

$$\mathbf{y = 20}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

9. A chemist has one solution that is 35% acid and another that is 10% acid. How much of each solution should she use to make 50cc of a solution that is 25% acid?

	volume of solution	percent acid	volume of acid
first:	x	35%	.35x
second:	y	10%	.10y
total	50 cc	25%	12.5 cc

$$x + y = 50$$

$$.35x + .10y = 12.5$$

$$35x + 10y = 1250$$

$$-10x - 10y = -500$$

$$25x = 750$$

$$\mathbf{x = 30}$$

$$x + y = 50$$

$$30 + y = 50$$

$$\mathbf{y = 20}$$

She should use 30 cc of the 35% solution and 20 cc of the 10% solution.

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

burger:

fries:

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

cost
each

burger:

fries:

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	

General Algebra 2   CWS #4   Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$6x$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

$6x +$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

$$6x + 4y$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

$$6x + 4y =$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x +$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y =$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

30x

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

$30x +$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

$$30x + 20y$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y =$$

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y = 4350$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y = 4350$$

$$-12x$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y = 4350$$

$$-12x -$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y = 4350$$

$$-12x - 20y$$

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y = 4350$$

$$-12x - 20y =$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

$$30x + 20y = 4350$$

$$-12x - 20y = -2640$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y = 4350$$

$$\underline{-12x - 20y = -2640}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x \qquad\qquad\quad \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = \qquad \end{array}$$

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$30x + 20y = 4350$$

$$-12x - 20y = -2640$$

$$18x = 1710$$

$$x$$

General Algebra 2   CWS #4   Unit 3

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10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

x =

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$6x + 4y = 870$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$\begin{array}{l} 6x + 4y = 870 \\ -6x \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

$$\begin{aligned} 30x + 20y &= 4350 \\ -12x - 20y &= -2640 \\ \hline 18x &= 1710 \end{aligned}$$

$$\mathbf{x = 95}$$

$$6x + 4y = 870$$

$$-6x -$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$\begin{array}{l} 6x + 4y = 870 \\ -6x - 10y \end{array}$$

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

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	cost each
burger:	x ¢
fries:	y ¢

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$\begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = \end{array}$$

General Algebra 2 CWS #4 Unit 3

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$$6x + 4y = 870$$

$$3x + 5y = 660$$

	cost each
burger:	x ¢
fries:	y ¢

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$\begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \end{array}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

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$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline \end{array}$$

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$$\mathbf{x = 95}$$

$$\begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \\ \hline \end{array}$$

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$$6x + 4y = 870$$

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	cost each
burger:	x ¢
fries:	y ¢

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$\begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \\ \hline -6y \end{array}$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost $8.70. Three burgers and five orders of fries cost $6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$\begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \\ \hline -6y = \end{array}$$

General Algebra 2 CWS #4 Unit 3

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10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$

$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array} \qquad \begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \\ \hline -6y = -450 \end{array}$$

$$\mathbf{x = 95}$$

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

	cost each
burger:	x ¢
fries:	y ¢

$$6x + 4y = 870$$
$$3x + 5y = 660$$

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

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$$\mathbf{y}$$

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$$\begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \\ \hline -6y = -450 \end{array}$$

$$\mathbf{y = 75}$$

General Algebra 2 CWS #4 Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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$$6x + 4y = 870$$
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	cost each
burger:	x ¢
fries:	y ¢

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \end{array}$$

$$\mathbf{x = 95}$$

$$\begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \\ \hline -6y = -450 \end{array}$$

$$\mathbf{y = 75}$$

A burger costs 95 ¢ each, and an order of fries costs 75 ¢ each.

General Algebra 2   CWS #4   Unit 3

Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

10. Six burgers and four orders of fries cost \$8.70. Three burgers and five orders of fries cost \$6.60. How much does each item cost?

$6x + 4y = 870$

Good luck on your homework !!

burger: x ¢

fries: y ¢

$$\begin{array}{r} 30x + 20y = 4350 \\ -12x - 20y = -2640 \\ \hline 18x = 1710 \\ \mathbf{x = 95} \end{array} \qquad \begin{array}{r} 6x + 4y = 870 \\ -6x - 10y = -1320 \\ \hline -6y = -450 \\ \mathbf{y = 75} \end{array}$$

A burger costs 95 ¢ each, and an order of fries costs 75 ¢ each.