

Warmup 4/(# of letters in the word "three")

Martika spent \$3200 for a used car. The car's value will depreciate by 35% each year. How much will her car be worth in 2 years?

- A. \$392
- B. \$960
- C. \$1,120
- D. \$1,352

**Get a calculator
and whiteboard!**

D

Homework
Check

Quiz Friday

Solve by Graphing
Solve by Substitution
Solve by Elimination

Partner A coach Partner B

$$\begin{aligned} 3x + y &= -26 \\ 2x - y &= -19 \end{aligned}$$

$(-9, 1)$

Partner B coach Partner A

$$\begin{aligned} 2x + 2y &= 4 \\ 3x + 2y &= 7 \end{aligned}$$

$(3, -1)$

Partner A coach Partner B

$$\begin{aligned} 3x - 3y &= -1 \\ 12x - 2y &= 16 \end{aligned}$$

$(5/3, 2)$

Partner B coach Partner A

$$4x - 3y = -9$$

$$5x - y = 8$$

(3, 7)

Word Problem Time!

- o The sum of Nate & Anne's ages is 59. The difference of their ages is 5. Nate is older.
- a) Write a system of equations that represents this situation.
- b) Solve the system and say what the solution represents.

$$N + A = 59$$

$$N - A = 5$$

Nate is 32 years old, Anne is 27 years old

Word Problem Time!

The sum of two numbers is -1 .
When twice the first number and four times the second number are added, the sum is -10 .
What are the two numbers?

$$x + y = -1$$

$$2x + 4y = -10$$

3 and -4

Word Problem Time!

- o There are 14 total people at the Easter gathering – adults and children. Each child found 4 Easter eggs and each adult found 3 Easter eggs. All together, 48 eggs were found. How many adults and children were at the gathering?

$$a + c = 14$$

$$3a + 4c = 48$$

There were 6 children and 8 adults.

Word Problem Time!

The Lischwes spent \$31 on movie tickets for 2 adults and 3 children. The Boli spent \$26 on movie tickets for 2 adults and 2 children. What are the prices for adult and child movie tickets?

$$2a + 3c = 31$$

$$2a + 2c = 26$$

child is \$5 and adult is \$8

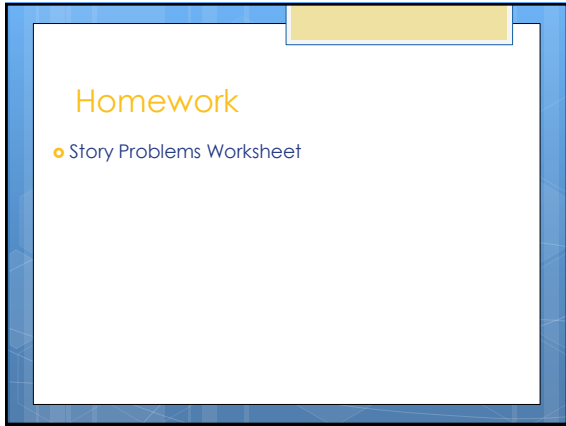
Word Problem Time!

Ms. Martin has 11 coins in dimes and quarters. The value of her coins is \$2.15. How many dimes does she have?

$$d + q = 11$$

$$.1d + .25q = \$2.15$$

4 dimes



Homework

- Story Problems Worksheet