

## Preview and Remove from Homework

# Items in your Homework: 10  
Preview Item: 3 of 10 | Item #: 4.5.11

**Section 4.5 | Objective:** Solve problems that can be modeled by a system of two linear equations.

**Availability:** Homework, Tests and Quizzes, Study Plan



**Origin:** Publisher

**Difficulty:** Moderate

**Median time:** 1m 57s

**Correct on first try:** 77.5%



 Question Help 

Two numbers total 87 and have a difference of 11. Find the two numbers.

X: \_\_\_\_\_

The larger number is 49, and the smaller number is 38.

y: \_\_\_\_\_

## Preview and Remove from Homework

# Items in your Homework: 10  
Preview Item: 5 of 10 | Item #: 4.5.15

**Section 4.5 | Objective:** Solve problems that can be modeled by a system of two linear equations.

**Availability:** Homework, Tests and Quizzes, Study Plan



**Origin:** Publisher

**Difficulty:** Hard

**Median time:** 3m 13s

**Correct on first try:** 53.5%



 Question Help 

A first number plus twice a second number is 10. Twice the first number plus the second totals 35. Find the numbers.

The smaller of the two numbers is -5.

The larger of the two numbers is 20.

X: \_\_\_\_\_

y: \_\_\_\_\_

## Preview and Remove from Homework

# Items in your Homework: 10

Preview Item: 6 of 10 | Item #: 4.5.19

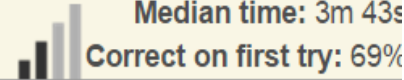
**Section 4.5 | Objective:** Solve problems that can be modeled by a system of two linear equations.

**Availability:** Homework, Tests and Quizzes, Study Plan

**Origin:** Publisher

**Difficulty:** Moderate

**Median time:** 3m 43s



Question Help



Jen Butler has been pricing Speed-Pass train fares for a group trip to New York. Three adults and four children must pay \$129. Two adults and three children must pay \$92. Find the price of the adult's ticket and the price of a child's ticket.

The price of a child's ticket is \$ 18 .

X: \_\_\_\_\_

The price of an adult's ticket is \$ 19 .

y: \_\_\_\_\_

## Preview and Remove from Homework

# Items in your Homework: 10

Preview Item: 7 of 10 | Item #: 4.5.21

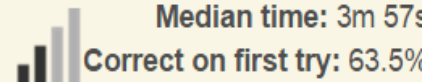
**Section 4.5 | Objective:** Solve problems that can be modeled by a system of two linear equations.

**Availability:** Homework, Tests and Quizzes, Study Plan

**Origin:** Publisher

**Difficulty:** Moderate

**Median time:** 3m 57s



Question Help



Kevin and Randy Muise have a jar containing 78 coins, all of which are either quarters or nickels. The total value of the coins in the jar is \$10.90. How many of each type of coin do they have?

X: \_\_\_\_\_

The jar contains 35 quarters.

The jar contains 43 nickels.

y: \_\_\_\_\_

# Preview and Remove from Homework

# Items in your Homework: 10

Preview Item: 8 of 10 | Item #: 4.5.25

**Section 4.5 | Objective:** Solve problems that can be modeled by a system of two linear equations.

**Difficulty:** Moderate


**Availability:** Homework, Tests and Quizzes, Study Plan

**Median time:** 4m 33s

**Origin:** Publisher



**Correct on first try:** 60.3%

 Question Help



Twice last month, Judy Carter rented a car from a car rental company and traveled around the Southwest on business. The company rents its car for a daily fee, plus an additional charge per mile driven. Judy recalls that her first trip lasted 4 days, she drove 450 miles, and the rental cost her \$218.50. On her second business trip she drove 200 miles in 3 days, and paid \$135.00 for the rental. Find the daily fee, and find the mileage charge.

x: \_\_\_\_\_

Daily fee is \$ 31 , and the mileage charge is \$ 0.21 .

y: \_\_\_\_\_

**Section 4.5 | Objective:** Solve problems that can be modeled by a system of two linear equations.

**Difficulty:** Hard**Availability:** Homework, Tests and Quizzes, Study Plan**Median time:** 4m 4s**Origin:** Publisher**Correct on first try:** 44.8%

Question Help



Doreen Schmidt is a chemist. She needs to prepare 28 ounces of a 10% hydrochloric acid solution. Find the amount of 14% solution and the amount of 7% solution she should mix to get this solution.

X: \_\_\_\_\_

How many ounces of the 14% acid solution should be in the mixture?

 ounces

y: \_\_\_\_\_

How many ounces of the 7% acid solution should be in the mixture?

 ounces

**Section 4.5 | Objective:** Solve problems that can be modeled by a system of two linear equations.

**Availability:** Homework, Tests and Quizzes, Study Plan


**Origin:** Publisher

**Difficulty:** Hard

**Median time:** 3m 47s



**Correct on first try:** 45%

 Question Help



Gabe Amodeo, a nuclear physicist, needs 90 liters of a 50% acid solution. He currently has a 30% solution and a 60% solution. How many liters of each does he need to make the needed 90 liters of 50% acid solution?

X: \_\_\_\_\_

Gabe needs 30 liters of the 30% solution.

He also needs 60 liters of the 60% solution.

y: \_\_\_\_\_