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Word Problems With
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Word Problems |

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Solve the above two linear equations to find the value of x and y . Multiply equation (1) with -2 and add the

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$$\text{-----}. \quad 2x = 2400.$$

Divide by 2 on both
the sides and
simplify. $x = 1200$.

Step 4:

Linear Equations
Word Problems |

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Several word problems and applications related to linear programming are presented along with their solutions and detailed explanations.

Methods of solving inequalities with two variables , system of

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linear inequalities with two variables along with linear programming and optimization are used to solve word and application problems where functions such as return, profit, costs, etc., are to be optimized.

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Problems and
Applications

WORKSHEET ON
WORD PROBLEMS
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EQUATION IN ONE
VARIABLE

Worksheet given in
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Problems with

Solutions. Problem

1. The proportional relation between distance traveled and the amount of time is shown in the following picture.

Which of the statements is true?

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distance traveled in
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Linear Functions: Problems with Solutions

It is evident that the word linear programming implies that all the constraints and the objective function are expressed as linear functions of

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deliver an order on time, a company has to make 25 parts a day. After making 25 parts per day for 3 days, the company started to produce 5 more parts per day, and by the last day of work 100 more parts than planned were produced. Find how many parts the company made and

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took. Click to see
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Systems. Let's do more word problems; you'll notice that many of these are the same type that we did earlier in the Algebra Word Problems section, but now we can use more than one variable. This will actually make the problems easier!

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Given a fixed cost,
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Examples (2): $C(x) = 125x + 1500$ and $R(x) = 1500x - 1000$,
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cost of \$20,000. it
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even numbers is 78.

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numbers? 25, 26, 27.
24, 26, 27.

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WORKSHEET ON
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