

LESSON 2: SOLVE – L

Warm-Up

Directions: Solve for S and O in the following problems. Be sure to separate the facts in the problems.

1. Amy is saving money for her class trip. She needs a total of \$125 for the cost of the trip. Each student in the class earned \$62.50 from a class fundraiser, and she has earned another \$42.75 babysitting. How much more does she need to pay for her trip?

S Underline the question.

This problem is asking me to find _____
_____.

O Identify the facts.

Eliminate the unnecessary facts.
List the necessary facts.

2. Felix's mom works at the school library. She only works on the days that there is school. On Monday through Thursday, she works 8 hours each day and on Fridays she works 6 hours. How many hours does she work during a 5-day school week?

S Underline the question.

This problem is asking me to find _____
_____.

O Identify the facts.

Eliminate the unnecessary facts.
List the necessary facts.

LESSON 2: SOLVE – L

Directions: Complete the L step for the following SOLVE problem with your teacher.

- 1.** ~~Valorie is saving money to buy a birthday present for her friend, Jalissa. | Jalissa will turn 14 at the end of the month and is having a party. | Valorie has already saved \$7.55, | but the CD that she wants to purchase costs \$20.89 including tax. |~~ How much more does Valorie need to purchase the CD?

S Study the problem

Underline the question.

This problem is asking me to find the difference in the amount Valorie has and the amount Valorie needs to buy the CD.

O Organize the Facts

Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts. Saved \$7.55, CD costs \$20.89

L Line up a Plan

Write in words what your plan of action will be.

Choose an operation or operations.

LESSON 2: SOLVE – L

Directions: Complete the L step for the following SOLVE problem with your partner.

2. ~~Carl and Dan are collecting newspapers for a school recycling project.~~ | Carl has collected 387 newspapers this month, | and Dan has collected 493 newspapers. | ~~The class that collects the most newspapers wins an ice cream party.~~ | How many newspapers have Carl and Dan collected?

S Study the Problem

Underline the question.

This problem is asking me to find the number of newspapers Carl and Dan have collected.

O Organize the Facts

Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts. Carl collected 387 newspapers,
Dan collected 493 newspapers.

L Line up a Plan

Write in words what your plan of action will be.

Choose an operation or operations.

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Directions: Complete the L step for the following SOLVE problem with your partner.

- 3.** ~~The Patterson family is taking a vacation. | They are going to visit relatives for a family reunion. | They will travel by car, and the trip is a total of 648 miles. | If they travel an average speed of 54 miles an hour, | how many hours will the trip last?~~

S Study the Problem

Underline the question.

This problem is asking me to find the number of hours the trip will last.

O Organize the Facts

Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts. Trip is 648 miles, travel at an average speed of 54 mph

L Line up a Plan

Write in words what your plan of action will be.

Choose an operation or operations.

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Directions: Complete the L step for the following SOLVE problem with your partner.

4. ~~Matt's uncle came to visit. | He brought Matt his old baseball card collection as a gift. |~~ Each page holds 9 baseball cards, | and there are a total of 48 pages in the album. | If each page is full, how many total baseball cards are in the album?

S Study the Problem

Underline the question.

This problem is asking me to find the number of baseball cards that are in the album.

O Organize the Facts

Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts. Each page holds 9 cards, 48 pages

L Line up a Plan

Write in words what your plan of action will be.

Choose an operation or operations.

LESSON 2: SOLVE – L

Directions: Complete the S, O, and L steps for the following SOLVE problem with your partner.

- 5.** Jaime is playing basketball this year. He also runs on the track team and is thinking about joining the swim team. His goal for the year is to score a total of 80 points. He has scored 62 points so far this year. There are 3 games left in the year. What is the average number of points he must score in each game in order to meet his goal?

- S** Underline the question.

This problem is asking me to find _____
_____.

- O** Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts.

- L** Write in words what your plan of action will be.

Choose an operation or operations.

LESSON 2: SOLVE – L

Directions: Complete the S, O, and L steps for the following SOLVE problem with your partner.

- 6.** Gina is working on her math project. For the project, she has a total of 30 different math vocabulary words to use creatively in a design. She must also show that she understands the meaning of each word by how she presents them in her design. On Monday she completed 6 words, and on Tuesday she did twice as many as on Monday. If she completed 8 words on Wednesday, how many words does she have left to add to her design?

- S** Underline the question.

This problem is asking me to find _____
_____.

- O** Identify the facts.

Eliminate the unnecessary facts.
List the necessary facts.

- L** Write in words what your plan of action will be.

Choose an operation or operations.

LESSON 2: SOLVE – L

Homework

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Name _____ **Date** _____

Directions: Complete the S, O, and L Steps for the following SOLVE problem.

Nina and her family are going on a trip to visit Nina’s grandmother. Because gasoline is so expensive, they are thinking about flying. Nina’s father found a good deal on airline tickets, and the cost of each ticket is \$129.99. They will need four tickets. Nina’s father calculates that the cost of driving will be \$160 for gas and another \$160 for snacks and meals along the way. How much will the family save if they drive?

1. S – Underline the question.

This problem is asking me to find _____
_____.

2. O – Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts.

3. L – Write in words what your plan of action will be.

Choose an operation or operations.

LESSON 2: SOLVE – L

Homework

.....
Name _____ **Date** _____

Trey is entering his science project in the science fair at school. There are several rules that the students must follow in order to participate. One of the rules is that they cannot spend more than \$10.00 on the materials for their project. Trey has already purchased several items for a total of \$4.89. He still needs to purchase marbles to complete his project. If the marbles cost \$1.19 for a bag of 20, how many bags can he purchase and still stay under the spending limit for the project?

4. S – Underline the question.

This problem is asking me to find _____
_____.

5. O – Identify the facts.

Eliminate the unnecessary facts.

List the necessary facts.

6. L – Write in words what your plan of action will be.

Choose an operation or operations.

LESSON 2: SOLVE – L

Homework

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Name _____ **Date** _____

Hunter’s father is trying to conserve water. The mayor is encouraging everyone to cut down on their water use. Hunter’s dad usually waters his lawn 3 times a week. He figures out that each time he waters the lawn, he is using 78 gallons of water. How much water does he use to water the lawn in one week?

7. S – Underline the question.

This problem is asking me to find _____
 _____.

8. O – Identify the facts.
 Eliminate the unnecessary facts.
 List the necessary facts.

9. L – Write in words what your plan of action will be.

Choose an operation or operations.

Kelsey rode her bike 4 times last week. She is training for a bike trip to the state park. On Monday she rode her bike for 35 minutes, on Tuesday she rode for 30 minutes, on Wednesday she rode for 40 minutes, and on Friday she rode for 50 minutes. How many minutes did Kelsey ride her bike in the four days?

10. S – Underline the question.

This problem is asking me to find _____
 _____.

11. O – Identify the facts.
 Eliminate the unnecessary facts.
 List the necessary facts.

12. L – Write in words what your plan of action will be.

Choose an operation or operations.