09/19 6B and 6D word problem

Four Steps to solve a word problems

1. Read and understand the problem.

* What does the problem ask you to find?
* What information do you have
* What information do you need?

1. Make a plan

* How do you solve this problem? Or what operation will you use?
* How many steps do you need to solve this problem?
* What operation do you need for each step?

1. Solve the problem

* Carry out you plan

1. Check your answer

* Does your answer match the question?
* Does your answer make sense?
* Did you plan work for this problem?

Ex1. Band members make 2/3 of their profit from selling concert tickets. They make 1/5 of their profit from selling band merchandise at the concerts. How many times more profit do they make from ticket sales than from merchandise sales?

Ex 2. A motocross rider is in the air for 2.5 seconds, your camera can take a picture every 0.125 second. Your friend’s camera can take a picture every o.15 second.

a) How many times faster is your camera than your friend’s camera?

b) How many more pictures can you take than your friend while the rider is in the air?

Ex 3.A professor wants to divide the remaining ¾ of the semester evenly into six different units. What fraction of the semester should be spent on each unit?

Ex 4. The gas mileage of an SUV is 15.25 miles per gallon. The gas mileage of a car is 26.4 miles per gallon. How much farther will the car travel if both vehicles use 12.5 gallons of gas?

Ex 5. Your friend is 1.2 times taller than you. Your friend is 64.5 inches tall. How tall are you?

Practice:

1: Serena worked 18 hours last week for a landscaper. She worked 1/3 of those hours planting flowers and 1/2 of those hours mowing lawns. How many hours did Serena work planting flowers?

2: The plastic cups at the school dance each hold 2/3 cup of punch. The punch bowl holds 24 cups of punch. How many plastic cups can be filled from one bowl of punch?

3. Band members make 2/3 of their profit from selling concert tickets. They make 1/5 of their profit from selling band merchandise at the concerts. How many times more profit do they make from ticket sales than from merchandise sales?

4. Mandi already has a practice ball. She is buying the light jacket, but not the lined one. She needs to buy all of the other items on the soccer fee list. What are her total fees for soccer?

Soccer Fees: Game Uniform—$37.50 Light Jacket—$23.25 Lined Jacket—$42.00 Practice Ball—$22.75 Pictures—$40.50 Hair Band—$2.50

5. If your weekly salary is $386.00, how much do you take home each week after deductions for taxes and retirement are made of $177.56?

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7. Jenna works at a fast-food restaurant with one fryer. Each basket of fries takes 1.15 minutes to fry. How long will it take her to fry 3 baskets of fries?

8. Kristina pays $5.00 a month for 600 text messages. For each message over 600, she pays an extra $0.05. How much does Kristina owe if she has 842 texts?

9. A Green Club is earning money to plant trees for anyone who will take care of them. Each tree they plant costs them $2.15. If they have earned $150, how many trees can they plant?