

Heung-Soo is responsible for checking a shipment of technology equipment that contains laser printers and color monitors. The printers cost \$700 each and the monitors are \$200 each. He counts 30 boxes on the loading dock. The invoice states that the order totals \$15000.

a) State the variables of the problem.

b) Write a system of equations that represents the number of each item.

b) How many laser printers and how many monitors were delivered?

c) Write your answer in sentence form.

Last year the volleyball team paid \$5/pair of socks and \$17/pair of shorts on a total purchase of \$315. This year they spent \$342 to buy the same number of pairs of socks and shorts because the socks now cost \$6/pair and the shorts cost \$18/pair.

a) State the variables.

b) Write a system of equations that represents the number of pairs of socks and shorts bought last year.

c) Solve the system.

d) Write your answer in sentence form.

The sum of three numbers is 20. The second number is 4 times the first and the sum of the first and third is 8. Find the numbers.

The sum of three numbers is 12. The first number is twice the sum of the second and third. The third number is 5 less than the first. Find the numbers.