

Problem Set 6 Hints

Like the last problem set, for every problem, we have at least two ways to solve it: one without using algebra and one with algebra.

Since we do not have much time to go over these problems before the meeting, I am just sending you brief answers. We will solve them together.

Problem 1 7 people , \$ 53 bill

Problem 2 9 people, chicken: \$ 70

Problem 3 42 people, jade price \$ 17

Problem 4 126 households, cattle price \$ 3750

Problem 5 33 people, Gold cost \$ 9800

Problem 6 21 people, sheep price \$ 150

Problem 7 10 people, pig price \$ 900

Problem 8 2 people, dog price \$100

Problem 9 Set up 3 equations about the number of people, the price of each chicken and the price of each pig.

Problem 10 We know how to do it using the method discussed in Problem set 5. But try the method of Double false.

Problem 11 Assume 2 days, deficit is 0.5 m. Assume 3 days, excess is 3.75 m.

Problem 12 Set up two equations. Also try the Rule of Double false.

Problem 13 I will leave this completely to you since it is such an interesting problem.

Problems 14-15 I do not know how to solve it without setting up equations. But there are plenty of online resources to help you.