Group Name:
Member:
1.   3.
2.   4.

Class: 7
Time: 60 Minutes
Date:

Let's Sell Chicken Meat!

Activity objective

Help a chicken farmer calculate the number of chickens and manage the sales proceeds. Discover how to use linear equations to solve everyday problems
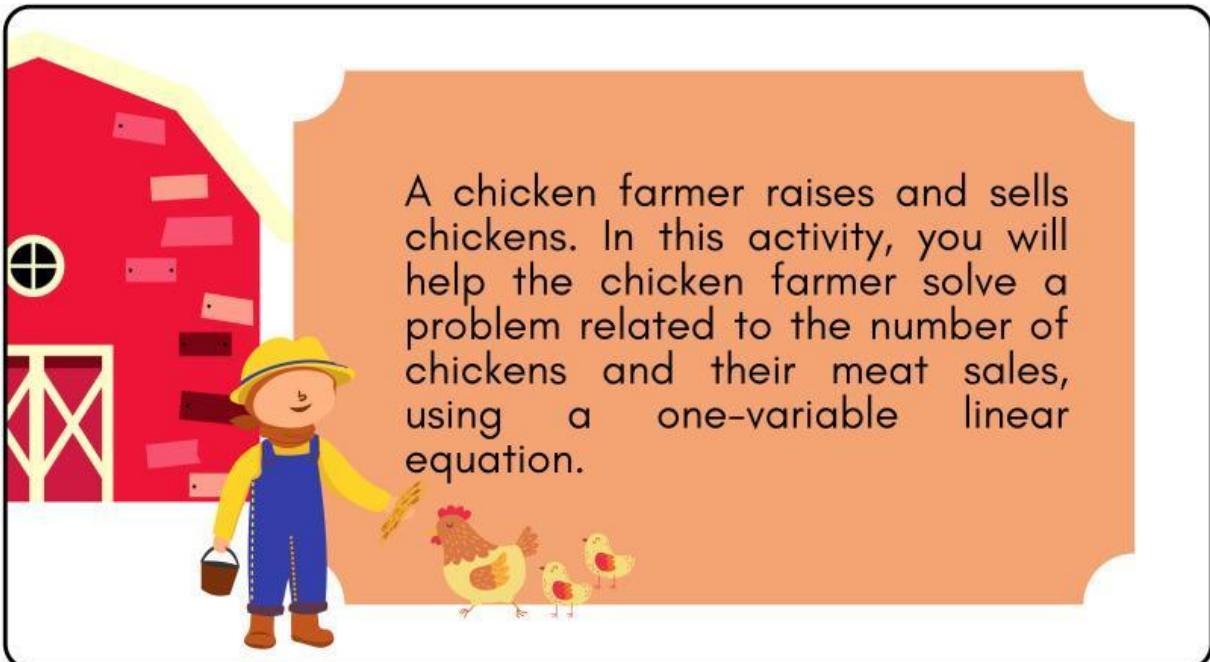
Instruction :

1 Read each problem carefully.

2 Discuss with your group mates to find the solution to each problem.

3 Write down the solution steps in the space provided.

4 Present the results of the discussion to the teacher or friends.

A chicken farmer raises and sells chickens. In this activity, you will help the chicken farmer solve a problem related to the number of chickens and their meat sales, using a one-variable linear equation.

Core Activity: Solving Linear Equations with a Chicken Farmer Context

Counting the Number of Chickens!
A chicken farmer has 18 chickens, of which 3 chickens are outside the cage, and the rest are inside 3 cages with equal numbers in each cage.

FARM

1 Find the linear equation of the above statement by modeling the number of chickens in each cage as x

2 How many chickens are in each cage?

Explain your solution steps!

Determining Chicken Weight
A chicken farmer has 7 kg of meat in the refrigerator. He takes 4 chickens that each weigh the same. After adding the meat from the 4 chickens, the total meat is 15 kg.

1 Find the linear equation of the above statement by modeling the weight of each chicken as x

2 How much does each chicken weigh?

Explain your solution steps!

Let's sell the chicken
Before selling the chicken, the farmer gives 4 kg of chicken meat to his neighbor. After that, the farmer sells the rest and spends the proceeds of Rp100,000, which he uses to buy chicken feed. Now, the farmer's remaining money is Rp175,000.

1 Find the linear equation of the above statement by assuming the price per kilogram of chicken meat as x

2 How much is the price per kilogram of chicken meat?

Explain your solution steps!

CONCLUSION