



Mathematics

The Strawberry Farmer

You will need 1 acre or 0.4 ha of sandy loam soil, a small tractor, a planter, a sprayer and a mower.

Irrigation Systems and other Supplies

A “Drip Tape Irrigation System” that is put in the ground before planting to provide fertilizer and water to the plants.

An “Above Ground Irrigation System” to be used in case of frost on the blossoms.

Herbicide to spray for weeds and Straw to cover plants in the winter.

Cost \$1500.00

Plants

Plant Strawberry plants in May of 2014. You will need 13,000 plants. Strawberries plants should be spaced 30 cm to 45 cm apart. Rows should be 1 meter apart.

Cost of plants \$2500.00

Labour Cost for Planting

Five people working for two, ten hour days at \$15.00 per hour.

Harvest Strawberries in June of 2015

Your land will yield 1100 flats of strawberries.

A Container which includes the flat plus 6 boxes costs \$3.00 per flat.

Berries are picked every other day for 10 days.

Labour Cost for Harvesting

Six people working five, ten hour days at \$15.00 per hour.

Marketing

Wholesale – Delivering to Stores

Labour for Sales

One person works five, eight hour days at \$15.00 per hour.

Sales - \$14.00 per flat

Retail – Side of the Road

Labour for Sales

Two people working five, eight hour days at 15.00 per hour.

Sales - \$24.00 per flat

The Strawberry Plants will produce berries for three years.

Sample Questions

Grade 1

Fold paper into four sections
Use both sides giving room to answer 8 question.

Draw a basket with 2 strawberries in it.
Draw a basket with 9 strawberries in it.
Draw a basket with 7 strawberries in it.
Draw a basket with 6 strawberries in it.

Draw a basket with 5 strawberries in it.
Draw a basket with 4 strawberries in it.
Draw a basket with 8 strawberries in it.
Draw a basket with 3 strawberries in it.

Grade Two

Using pictures and numbers add 2 berries to each basket on the first page and 5 berries to each basket on the second page.

Grade Three

Change the number of berries to baskets of berries and sell the baskets for \$5.00 each.
How much money will you get?
Use pictures, numbers and words to explain your answer.

Grade 4 – 8

What is your initial cost in the year 2014?
What are your labour costs for planting?
How much will the containers cost for harvesting?
What are your labour costs for harvesting?
How much did it cost you to produce the strawberries?
What are your labour costs for sell Wholesale? Retail?
If you sell your strawberries Wholesale how much money will you receive?
How much profit will you make if you sell the strawberries wholesale?
If you sell your strawberries Retail how much money will you receive?
How much profit will you make if you sell the strawberries retail?
Is it better to sell your strawberries Wholesale or Retail? Why?
Your Strawberry plants will produce fruit for three years. What is your total cost of expenses for the four years including year 2014?
How much profit will you make at the end of the four years?