

5. The class took their tomatoes to a local farmers' market and sold them for \$0.79 per pound. How much money did they get from the tomatoes?

6. The class made a list of their expenses for the tomatoes.

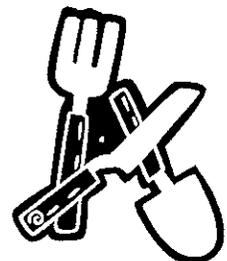
Item	Quantity	Cost	Total Cost
Tomato plants	48 plants	\$0.55 per plant	
Fertilizer	10 pounds	\$0.35 per pound	
Gas for transportation to the market	4 gallons	\$2.05 per gallon	

Total cost for growing the tomato plants = _____

7. After paying for the cost of growing the tomato plants, how much money did the class have to go on their field trip?

8. Did the class have enough money for the field trip?

9. If they have money left over, how much will they have? What could they buy?

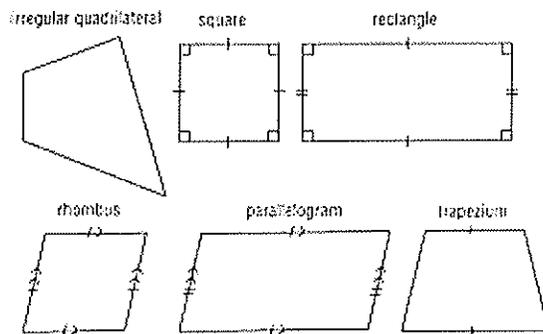




How Does Your Garden Grow?

The students of the fifth grade class at Valley Elementary are going to raise money to go on a field trip by planting a garden. The field trip will cost \$250.00. They are going to plant tomatoes to sell at the local farmers' market. The garden will be in the shape of a quadrilateral.

1. Draw four examples of a quadrilateral and label each one.



2. The class will plant forty-eight tomato plants. If the garden has six rows, how many plants will there be in each row?

$$48/6 = 8 \text{ plants in a row}$$

3. A local farmer told the class that each tomato plant will produce an average of twenty-five tomatoes. How many tomatoes will the class get from their garden?

$$25 \times 48 = 1,200 \text{ tomatoes}$$

4. When the tomatoes were ready, the class weighed them. It took an average of three tomatoes to make one pound. How many pounds of tomatoes did the class have?

$$1,200/3 = 400 \text{ pounds}$$

5. The class took their tomatoes to a local farmers' market and sold them for \$0.79 per pound. How much money did they get from the tomatoes?

$$400 \times \$0.79 = \$316$$

6. The class made a list of their expenses for the tomatoes.

Item	Quantity	Cost	Total Cost
Tomato plants	48 plants	\$0.55 per plant	\$26.40
Fertilizer	10 pounds	\$0.35 per pound	\$3.50
Gas for transportation to the market	4 gallons	\$2.05 per gallon	\$8.20

$$\text{Total cost for growing the tomato plants} = \$38.10$$

7. After paying for the cost of growing the tomato plants, how much money did the class have to go on their field trip?

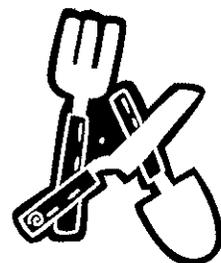
$$\$316.00 - \$38.10 = \$277.90$$

8. Did the class have enough money for the field trip?

YES

9. If they have money left over, how much will they have? What could they buy?

\$27.90; answers will vary on what the class should buy



Name: _____



Food from the Garden

MyPyramid for Kids says we should eat a lot of fruits and veggies. Most people do not eat enough fruits and veggies. MyPyramid says that kids in fifth grade should eat 2 to 2½ cups of veggies and 1 to 1½ cups of fruit every day.

A healthy diet has a lot of fresh fruits and veggies. Eating a mix of fruits and veggies helps keep our bodies healthy. Fruits and veggies give us vitamins and minerals, fiber and other things that are important to good health. Fresh fruits and veggies have very little salt.

One way to get a mix of fresh fruits and veggies is to grow a home garden. In a home garden, seeds are planted that will eventually give us food. Garden seeds don't cost very much. They can be found in many varieties. Many people think growing a home garden is also a good hobby. It is also a way to be more active each day.

A gardener must know about seeds when growing a garden. Some seeds need a longer growing season than others. The home gardener must know about the germination time, how deep to plant the seeds and how far apart to plant the seeds. It takes a few days for the seeds to sprout and come out of the ground. It takes some seeds longer to sprout than others. Some seeds may need more sunlight or water. This information is on the seed packet.

The seed coat protects the *embryo*, or baby plant, from rough treatment and cold temperatures. This *embryo* grows into a new plant. Water makes the seed coat soft. This lets the *embryo* push through and grow. A large portion of the seed gives the *embryo* food. The rest of the seed, the *cotyledons*, provides food for the new plant until it begins to make its own food. The *cotyledons* supply the energy for the baby plant to grow and make roots. All of the stored food will be used by the time roots have started to grow.

The Shakers, a religious group, started the first commercial seed nursery in the United States. They placed their seeds in small paper packets called "papers". The early seed packets were decorated with beautiful line drawings. Most garden seeds today are still sold in packages very similar to those first "papers". They are decorated with pictures of the plants. The seed packet will include the common name and sometimes the scientific name of the plant. It also will include general information about care and use. Most seed packets also include a map of the United States showing the different frost or growing zones. Most garden seed is sold by the ounce since home gardens are usually small.

Answer these questions based on the reading section:

1. What is the main idea of the second paragraph?
2. Which paragraph has information about what a gardener should know?
3. What information is in the fifth paragraph?
4. Which paragraph has historical information?
5. Which paragraph has information on MyPyramid?
6. Which paragraph has information on why you should consider raising a garden?

Source: Smart Nutrition-Arkansas Department of Education





Food from the Garden

MyPyramid for Kids says we should eat a lot of fruits and veggies. Most people do not eat enough fruits and veggies. MyPyramid says that kids in fifth grade should eat 2 to 2½ cups of veggies and 1 to 1½ cups of fruit every day.

A healthy diet has a lot of fresh fruits and veggies. Eating a mix of fruits and veggies helps keep our bodies healthy. Fruits and veggies give us vitamins and minerals, fiber and other things that are important to good health. Fresh fruits and veggies have very little salt.

One way to get a mix of fresh fruits and veggies is to grow a home garden. In a home garden, seeds are planted that will eventually give us food. Garden seeds don't cost very much. They can be found in many varieties. Many people think growing a home garden is also a good hobby. It is also a way to be more active each day.

A gardener must know about seeds when growing a garden. Some seeds need a longer growing season than others. The home gardener must know about the germination time, how deep to plant the seeds and how far apart to plant the seeds. It takes a few days for the seeds to sprout and come out of the ground. It takes some seeds longer to sprout than others. Some seeds may need more sunlight or water. This information is on the seed packet.

The seed coat protects the *embryo*, or baby plant, from rough treatment and cold temperatures. This *embryo* grows into a new plant. Water makes the seed coat soft. This lets the *embryo* push through and grow. A large portion of the seed gives the *embryo* food. The rest of the seed, the *cotyledons*, provides food for the new plant until it begins to make its own food. The *cotyledons* supply the energy for the baby plant to grow and make roots. All of the stored food will be used by the time roots have started to grow.

The Shakers, a religious group, started the first commercial seed nursery in the United States. They placed their seeds in small paper packets called “papers”. The early seed packets were decorated with beautiful line drawings. Most garden seeds today are still sold in packages very similar to those first “papers”. They are decorated with pictures of the plants. The seed packet will include the common name and sometimes the scientific name of the plant. It also will include general information about care and use. Most seed packets also include a map of the United States showing the different frost or growing zones. Most garden seed is sold by the ounce since home gardens are usually small.

Answer these questions based on the reading section:

1. What is the main idea of the second paragraph?

A healthy diet includes plenty of fruits and veggies.

2. Which paragraph has information about what a gardener should know?

Paragraph 4

3. What information is in the fifth paragraph?

The paragraph includes information about seeds.

4. Which paragraph has historical information?

Paragraph 6

5. Which paragraph has information on MyPyramid?

Paragraph 1

6. Which paragraph has information on why you should consider raising a garden?

Paragraph 3

