

Name _____

Solving math word problems (4.MD.A.1, 2; 5.NBT.B.7)

Date _____



Wow, Does Your Garden Grow!

Use the information in the chart to answer the questions.
Show your work on the back of this page.



Growing your own food can save you money at the grocery store.

Tower Garden can hold up to 20 plants!

Value of Produce Grown in Tower Garden®

Plant	Price	Amount Grown in 6 Months	Value of the Produce (rounded to nearest dollar)
arugula	\$0.82/ounce	48 ounces from 1 plant	\$39.00
bell pepper	\$0.85/pepper	5 pounds from 1 plant	\$15.00
cabbage	\$1.69/head	18 heads from 1 plant	\$30.00
celery	\$1.19/bunch	12 bunches from 1 plant	\$14.00
cherry tomatoes	\$3.00/pint	25 pints from 1 plant	\$75.00
cucumber	\$0.79/cucumber	40 cucumbers from 1 plant	\$31.00
eggplant	\$2.00/eggplant	15 eggplants from 1 plant	\$30.00
kale	\$1.49/bag	18 bags from 1 plant	\$27.00
lettuce	\$2.99/bag	90 bags from 5 plants	\$269.00
squash	\$0.95/squash	24 squash from 1 plant	\$23.00
tomatoes	\$1.99/pound	25 pounds from 1 plant	\$50.00

- How many ounces of regular tomatoes can be grown from one tomato plant in 6 months? _____
- The fifth grade's Tower Garden includes four squash plants and three kale plants. What is the combined value of the kale and squash produced in six months? _____
- How many pounds of arugula can Tower Garden produce in six months? _____
Nine months? _____
- According to the chart, how many bags of lettuce are grown in six months from one plant? _____
What is the value of this amount of lettuce (rounded to the nearest dollar)? _____

- If the price of squash goes up to \$0.98/squash, what would be the value of the squash grown from one plant in six months (rounded to the nearest dollar)? _____
- Which has the greater value: 4 kale plants or 7 eggplant plants? _____
How much greater? _____
- How many cups of cherry tomatoes does one plant produce in six months? _____
How many ounces? _____
- If your class plants all of the plants in the chart, what would be the total value of the produce grown in six months? _____
What would the average value be per month? _____
- Create your own word problem using the chart. Have a classmate solve it and write the answer in the blank. _____

“Wow, Does Your Garden Grow!”

Answer Key

1. 400 ounces
2. \$173.00
3. 3 pounds; 4½ or 4.5 pounds
4. 18 bags; \$54.00
5. \$24.00
6. 7 eggplants; \$102.00
7. 50 cups; 400 ounces
8. \$630.00; \$105.00
9. Problems will vary.



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