

The Original Class Plan:

- $\frac{1}{4}$ of the garden will be planted with carrots.
- $\frac{1}{6}$ of the garden will be planted with potatoes.
- $\frac{1}{8}$ of the garden will be planted with broccoli.
- $\frac{1}{12}$ of the garden will be planted with corn.

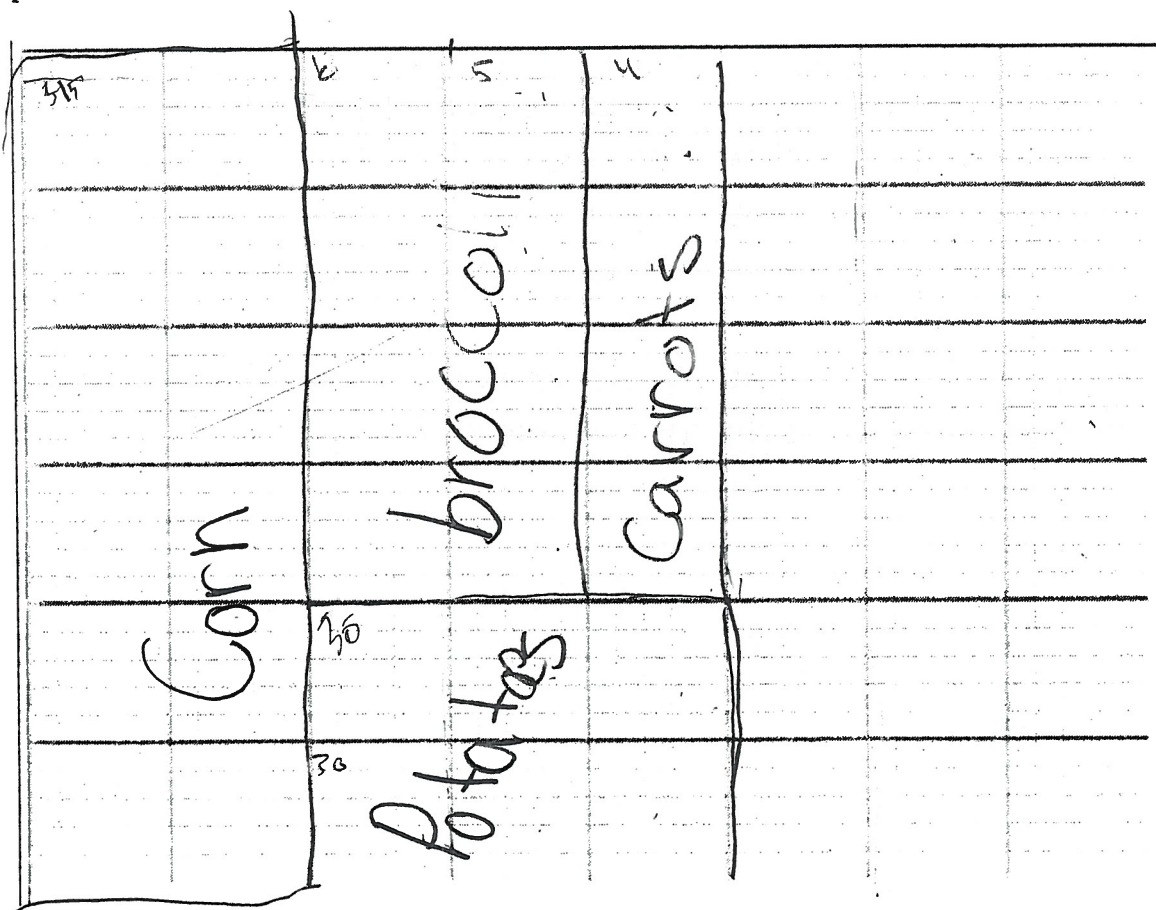
1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

$$10 + 5 + 4 + 30 + 20 + 25 + 40 = 109$$

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?

Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$\frac{13}{24}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

30 feet

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$10 + 5 + 4 + 13 + 24 + 30 + 34 = 120$$

A4

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

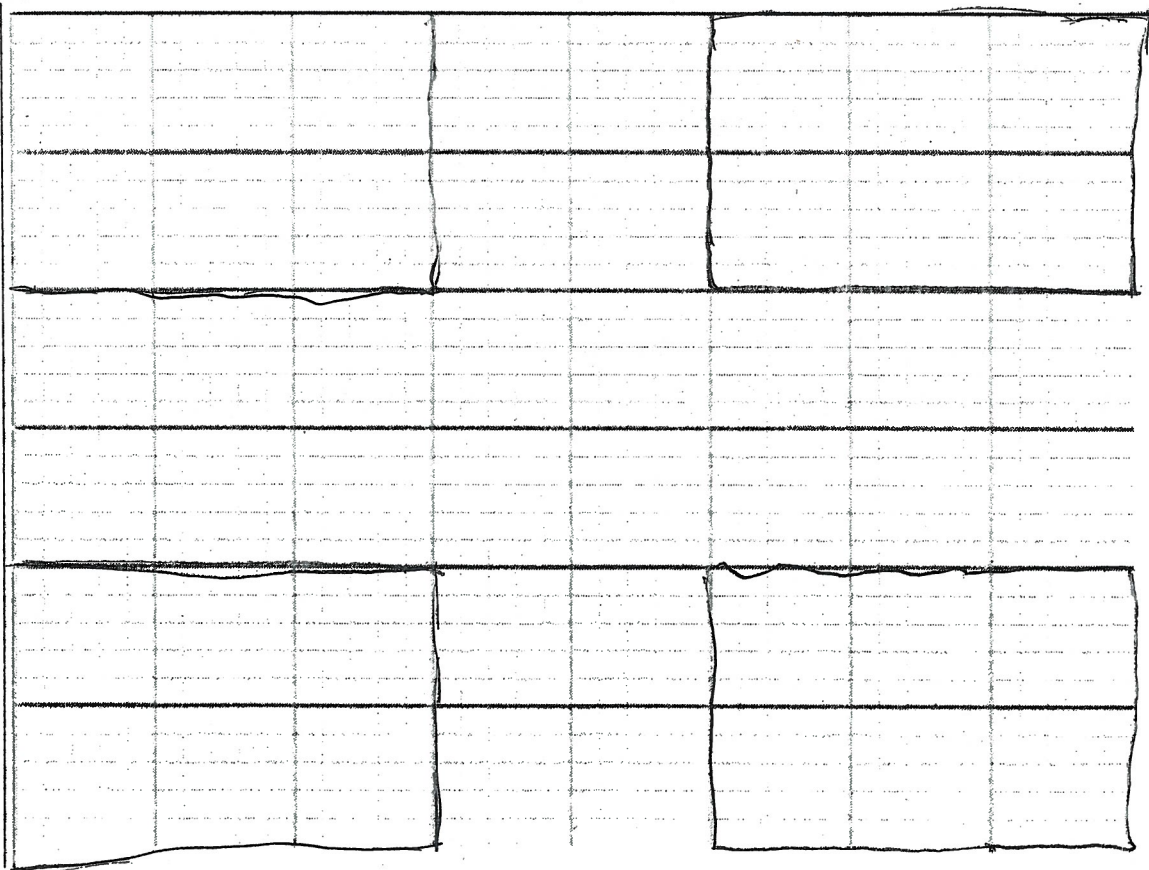
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You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

$$1 - \frac{1}{4} - \frac{1}{6} - \frac{1}{8} - \frac{1}{12} = \frac{3}{8}$$

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

0

$$2\frac{1}{6}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

0

$$8\frac{1}{6}$$

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

X/

$$5 \times 5 = 25 \text{ sq ft}$$

A5

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

3/8

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

○ $\frac{2}{6}$

○ 3B) How many **total square feet** of the class garden plot will be planted with potatoes?

400 ft^2

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

+1 $400 + 300 + 150 + 100 = 950$

The Original Class Plan:

- $\frac{5}{24}$ $\frac{1}{6} \times 4 \frac{4}{24}$ $\frac{1}{8} \times 3 \frac{3}{24}$ $\frac{1}{12} \times 2 \frac{2}{24}$
- 1/4 of the garden will be planted with carrots.
 - 1/6 of the garden will be planted with potatoes.
 - 1/8 of the garden will be planted with broccoli.
 - 1/12 of the garden will be planted with corn.

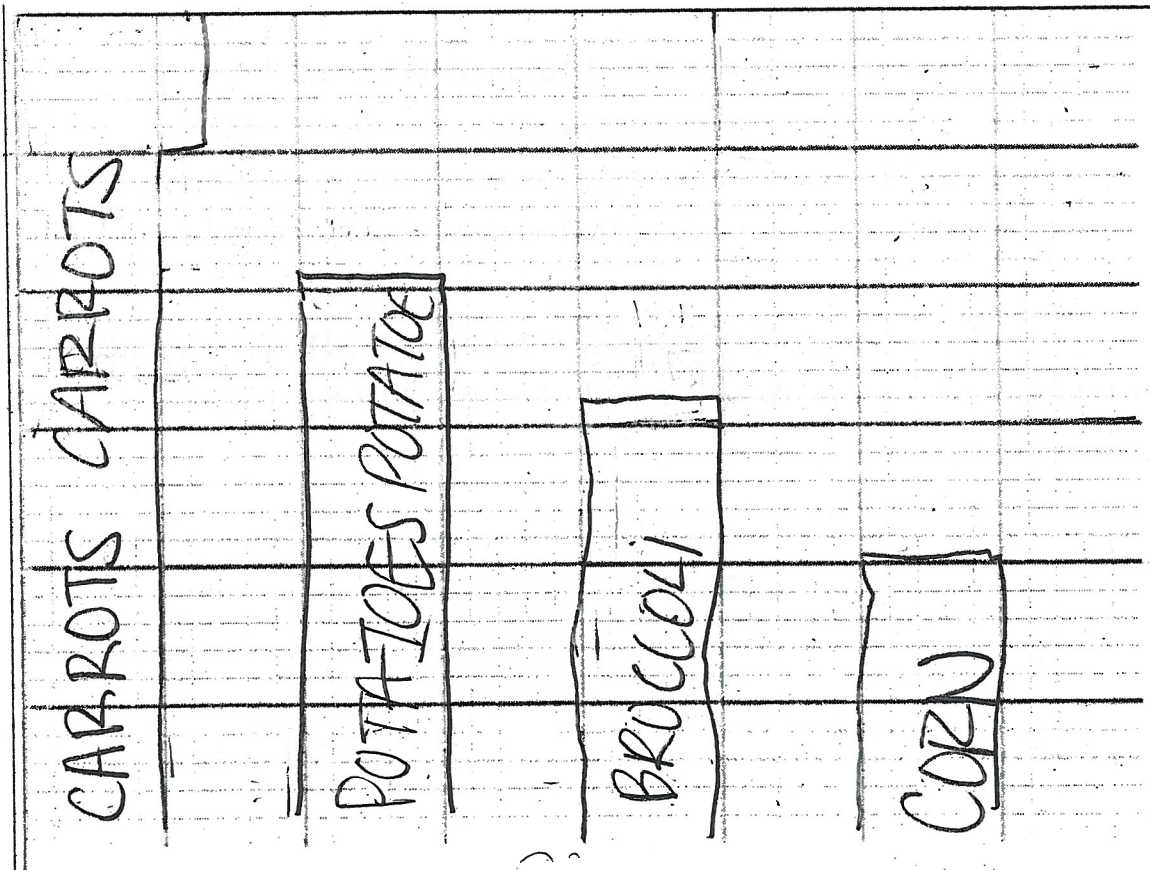
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The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

$\frac{3}{8}$ of the vegetables will be left over.

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

○ $\frac{1}{6} + \frac{1}{6} = \frac{1}{3}$ $\frac{1}{3} \cdot 25 = 8\frac{1}{3}$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

○ I think the total square feet will be 48ft because $\frac{1}{3}$ wouldn't fit in the 5 by 5.

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

✓ $\frac{1}{3} + \frac{1}{4} + \frac{1}{8} + \frac{1}{12} = \frac{19}{24}$ and when you times $\frac{19}{24}$ by 25 you get $19\frac{19}{24}$ and it wouldn't have room for that.

A10

The Original Class Plan:

- 1/4 of the garden will be planted with carrots. 300 12
- 1/6 of the garden will be planted with potatoes. 200 6
- 1/8 of the garden will be planted with broccoli. 150 6
- 1/12 of the garden will be planted with corn. 100

$$\frac{13}{24} = 650$$

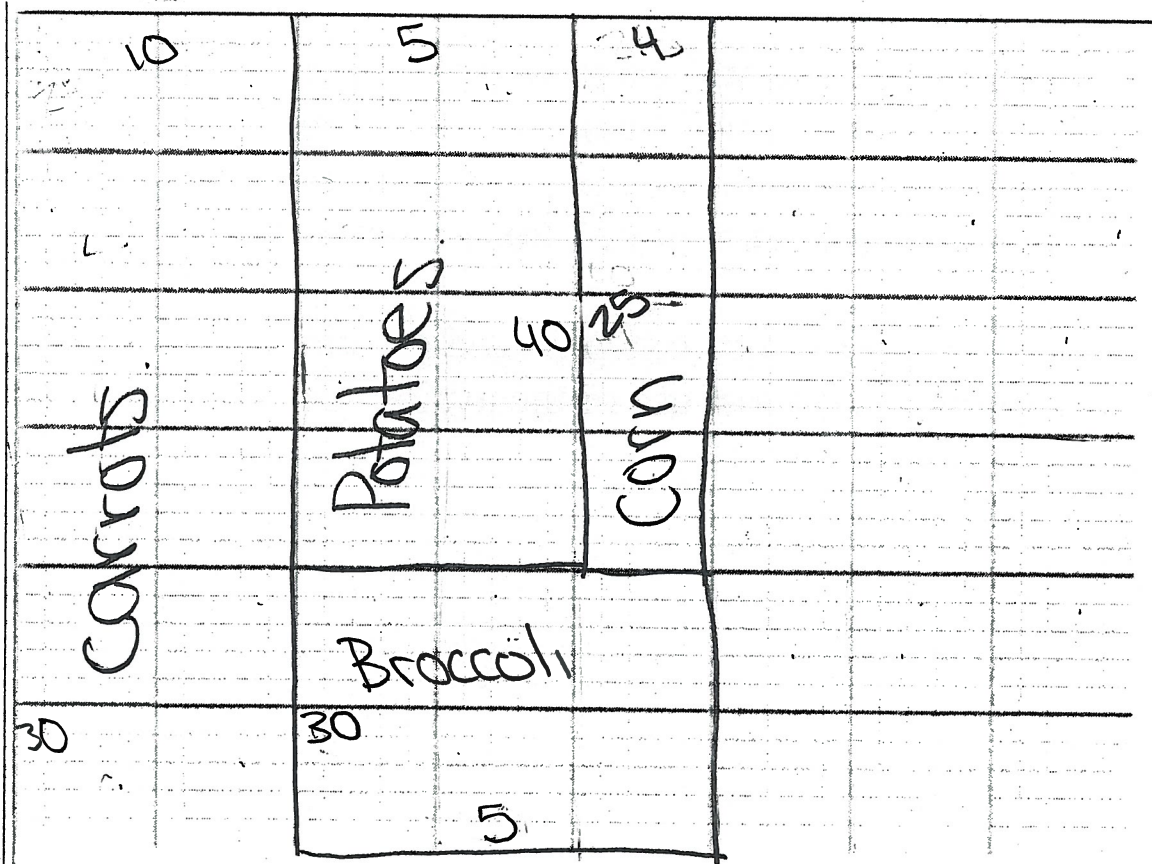
1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections 1200

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

$$300 + 200 + 150 + 100 = 750. \quad 1200 - 750 = 450. \quad 450 / 1200 = 3/8.$$

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$\frac{1}{6} \times \frac{4}{4} = \frac{4}{24}$
 $\frac{3}{8} \times \frac{9}{8} = \frac{27}{64}$
 $\frac{13}{24}$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

26 sq feet?

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$(300) \quad (150) \quad (100) \quad (1200)$
 $12 \text{ sq feet} + 6 \text{ sq feet} + 4 \text{ sq feet} + = 48 \text{ sq feet}$
 (650)
 26 sq feet

A13

The Original Class Plan:

- o 1/4 of the garden will be planted with carrots.
- o 1/6 of the garden will be planted with potatoes.
- o 1/8 of the garden will be planted with broccoli.
- o 1/12 of the garden will be planted with corn.

1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

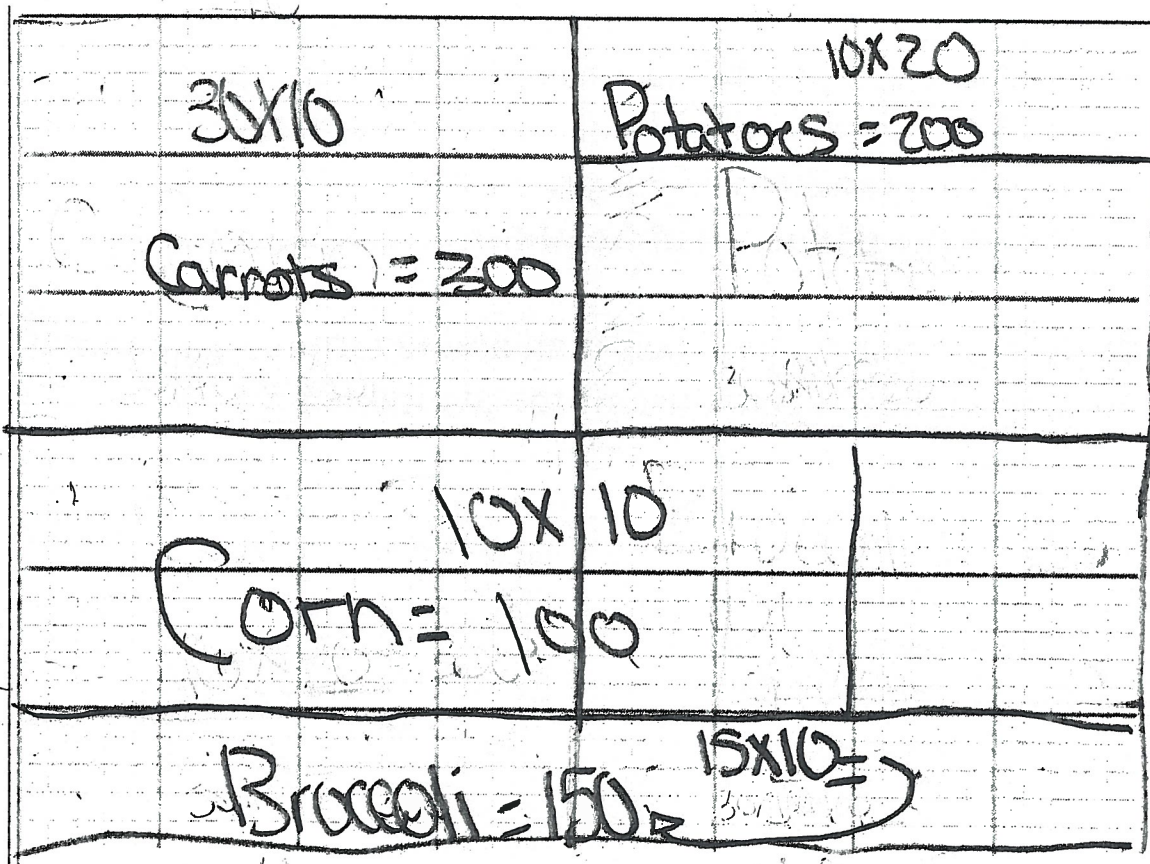
The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.

1200



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

3/8

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$\frac{4}{6} = \frac{2}{3}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

$\frac{4}{3}$ square feet

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$\frac{1}{4} + \frac{1}{6} + \frac{1}{8} + \frac{2}{3} + \frac{1}{12} = 1\frac{7}{24}$$

A20

The Original Class Plan:

- o 1/4 of the garden will be planted with carrots.
- o 1/6 of the garden will be planted with potatoes.
- o 1/8 of the garden will be planted with broccoli.
- o 1/12 of the garden will be planted with corn.

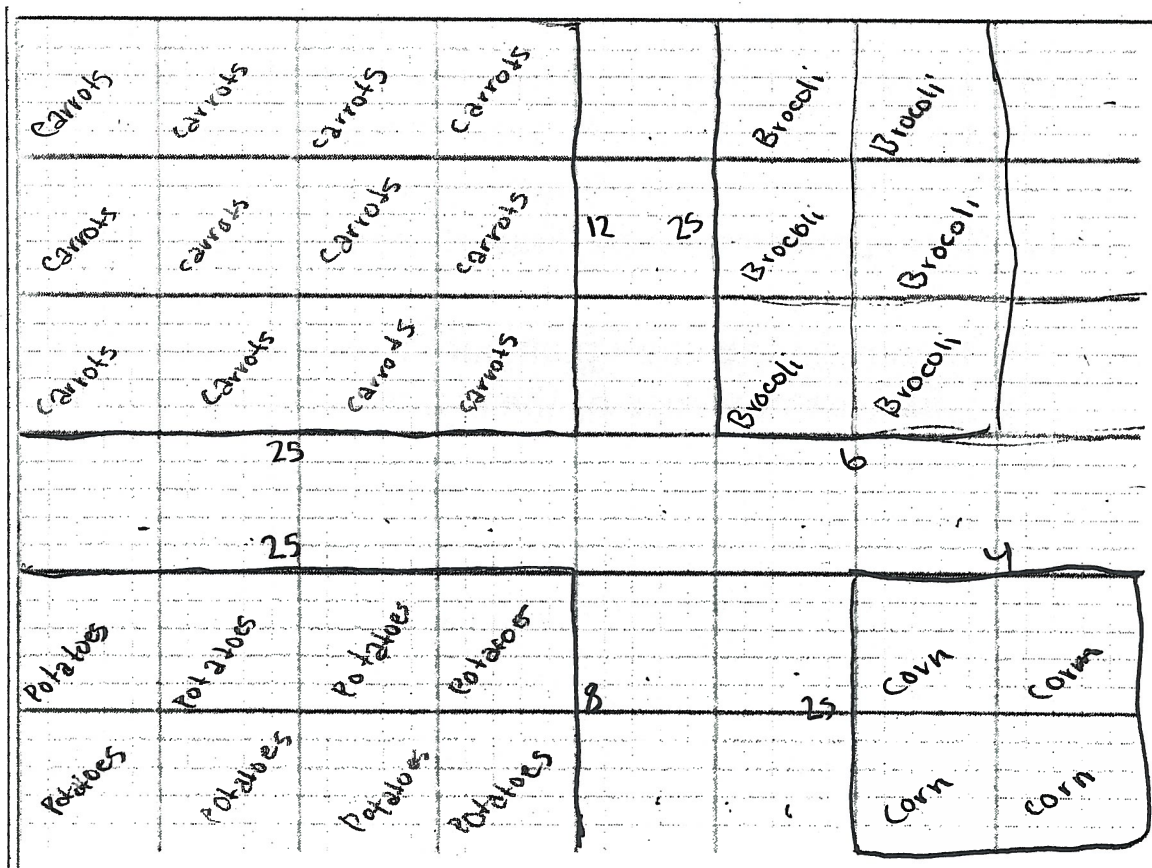
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The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

450/12

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

1/37

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

200ft²

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

x2

$$650\text{ft}^2 + 150\text{ft}^2 + 100\text{ft}^2 + 200\text{ft}^2 = 1200\text{ft}^2$$

A23

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

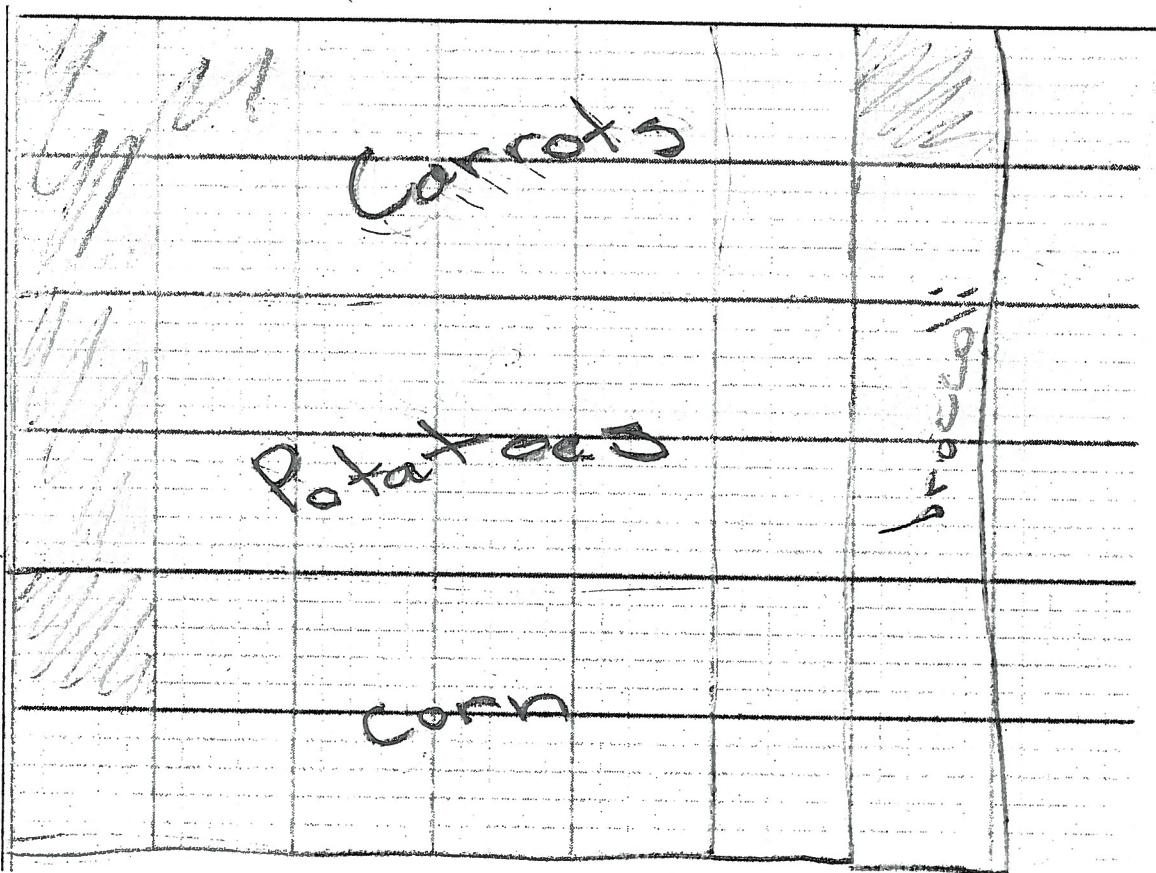
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The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

3/5 = left over space

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$\frac{3}{6}$ because if we add another $\frac{2}{6}$ it will be $\frac{3}{6}$ taking most of the space only a few will be left over.

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

~~400~~ 400 ft²

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$400 + 300 + 200 + 150 + 100 =$$

$$1150 \text{ ft}^2$$

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

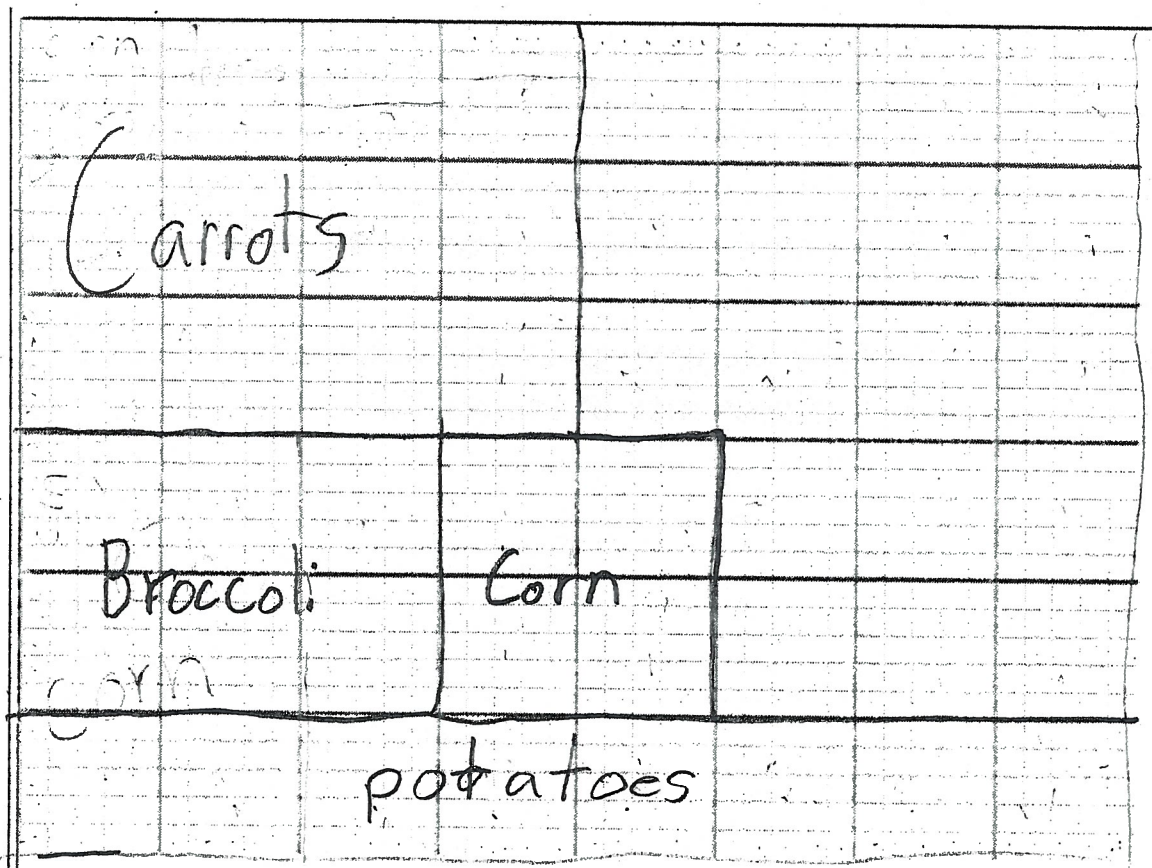
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The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

0

$$\frac{77}{120} \quad \frac{43}{120}$$

23 of the garden plot will be left over.

$$\frac{77}{120}$$

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?

Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$\frac{26}{120} + \frac{37}{120} = \frac{63}{120}$$

$$\frac{63}{120}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

$$63^2 \text{ ft}$$

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

~~11~~ 30 ft = carrots
43 ft = potatoes
15 ft = broccoli
12 ft = corn

$$30 + 63 + 15 + 12 =$$

$$\begin{array}{r} 43 \\ 30 + 15 = 108 \\ 108 + 12 = 120 \end{array}$$

$$30 + 63 + 15 + 12$$

$$30 + 63 + 15 + 12 = 120$$

+1

328

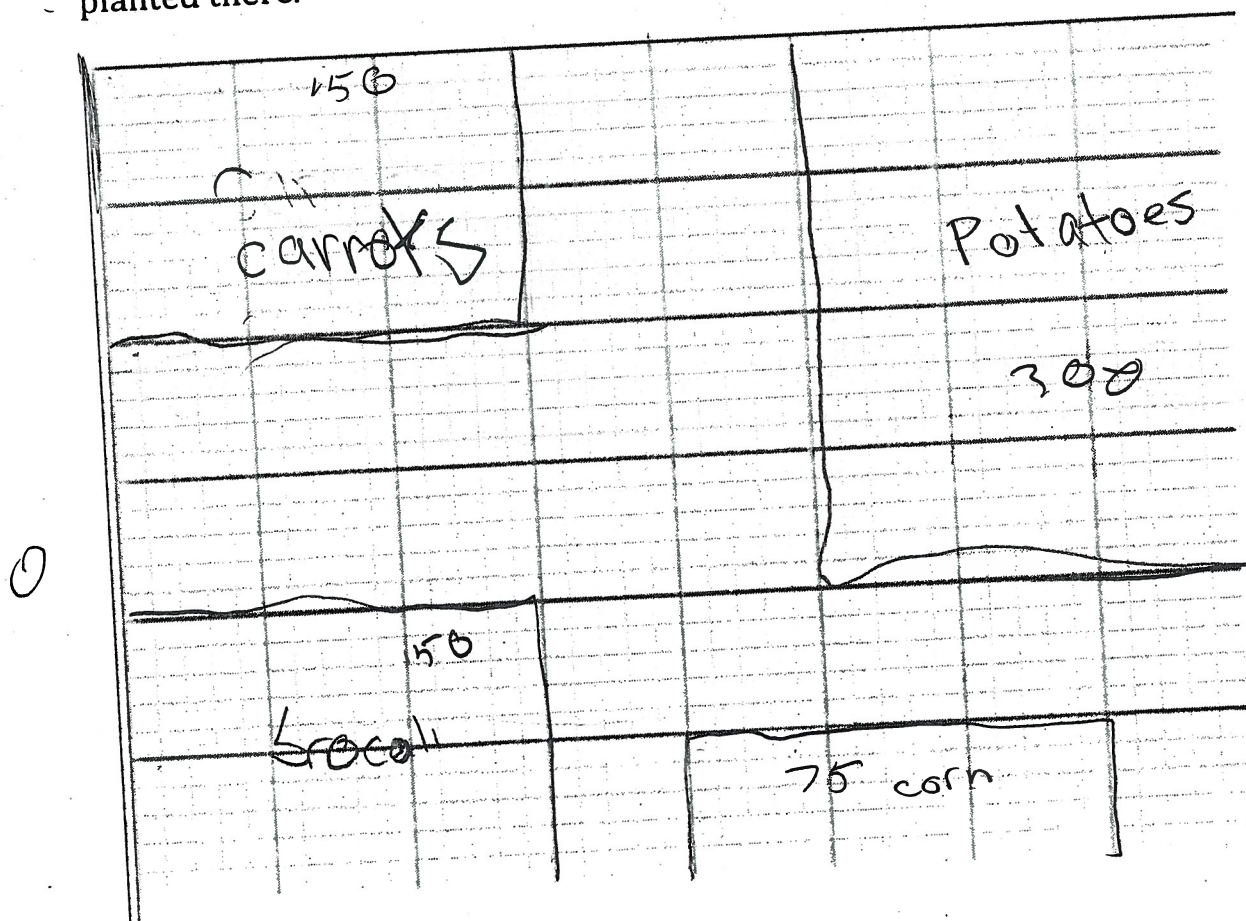
The Original Class Plan:



- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

20

- 1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan. The garden model is divided into 5 by 5 feet sections. Use whole number side lengths. Each square on the model represents 1 square foot. You must label each rectangular section with the name of the vegetable that will be planted there.



- 2) Think about the class plan for the garden plot. What fraction of the garden plot will be left over after the class plants their vegetables?

6

$$450/1200 = 3/8$$

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$\begin{array}{r} 450 \\ + 200 \\ \hline 650 \end{array}$$

$$13 \frac{1}{2}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

650 total square feet

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$650 + 15 + 150 + 75$$

$$1025$$

B30

The Original Class Plan:

- $300 \div 1200 = \frac{1}{4}$ 1/4 of the garden will be planted with carrots.
- $200 \div 1200 = \frac{1}{6}$ 1/6 of the garden will be planted with potatoes.
- $150 \div 1200 = \frac{1}{8}$ 1/8 of the garden will be planted with broccoli.
- $100 \div 1200 = \frac{1}{12}$ 1/12 of the garden will be planted with corn.

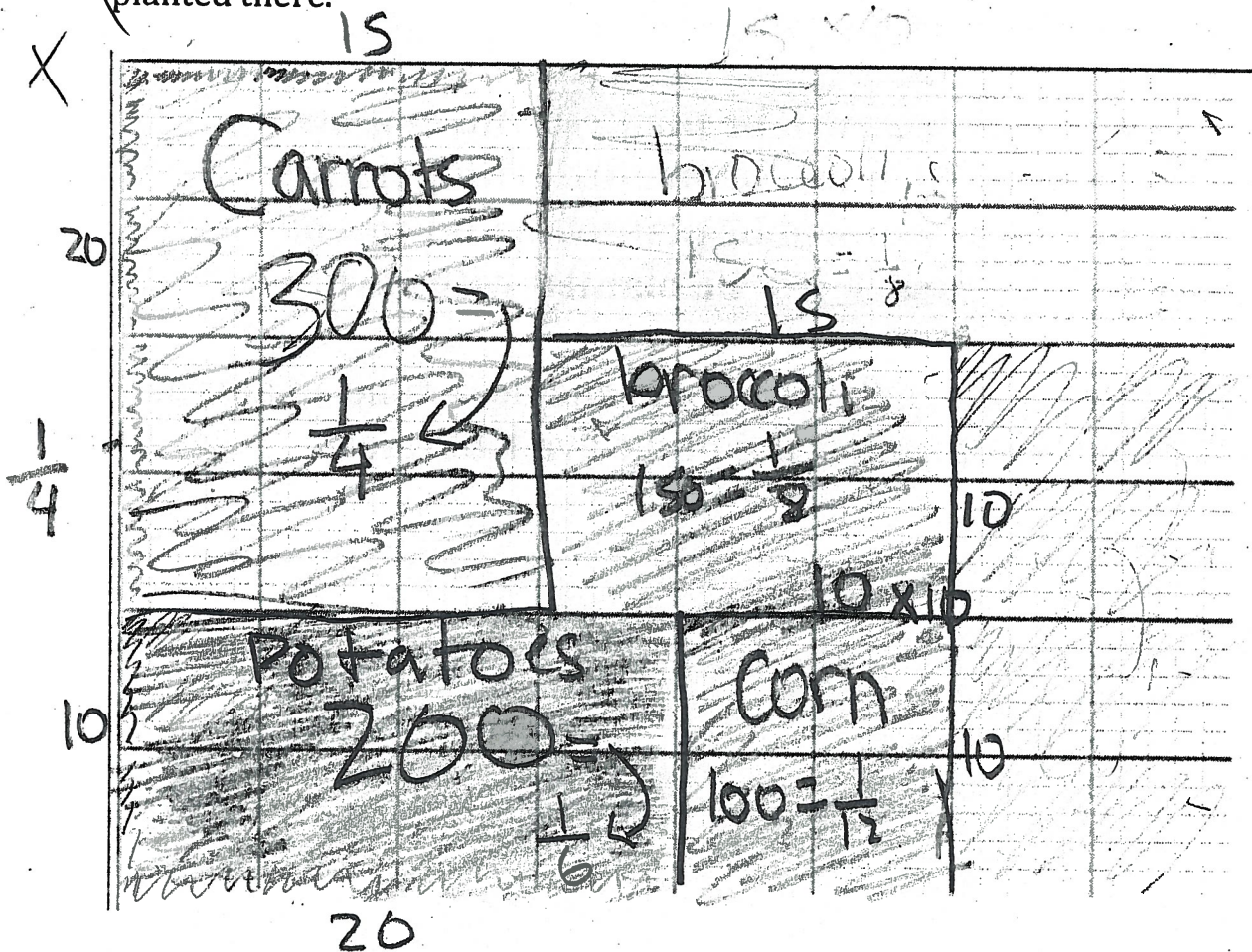
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Use whole number side lengths.

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2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

$$1200 - 150 - 100 - 200 - 300 = 450$$

$$450 / 1200 = \frac{3}{8}$$

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$200 + 200 = 400$$

$$\frac{1}{6} + \frac{1}{6} = \frac{1}{3}$$

$$400 / 1200 = \frac{1}{3}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

$$200 + 200 = 400$$

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$\begin{array}{r}
 400 = \text{Potatoes} \\
 + 150 = \text{broccoli} \\
 \hline
 550
 \end{array}
 \quad
 \begin{array}{r}
 550 = \text{corn} \\
 + 100 \\
 \hline
 650
 \end{array}
 \quad
 \begin{array}{r}
 650 \\
 + 300 = \text{carrots} \\
 \hline
 950
 \end{array}$$

c9

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

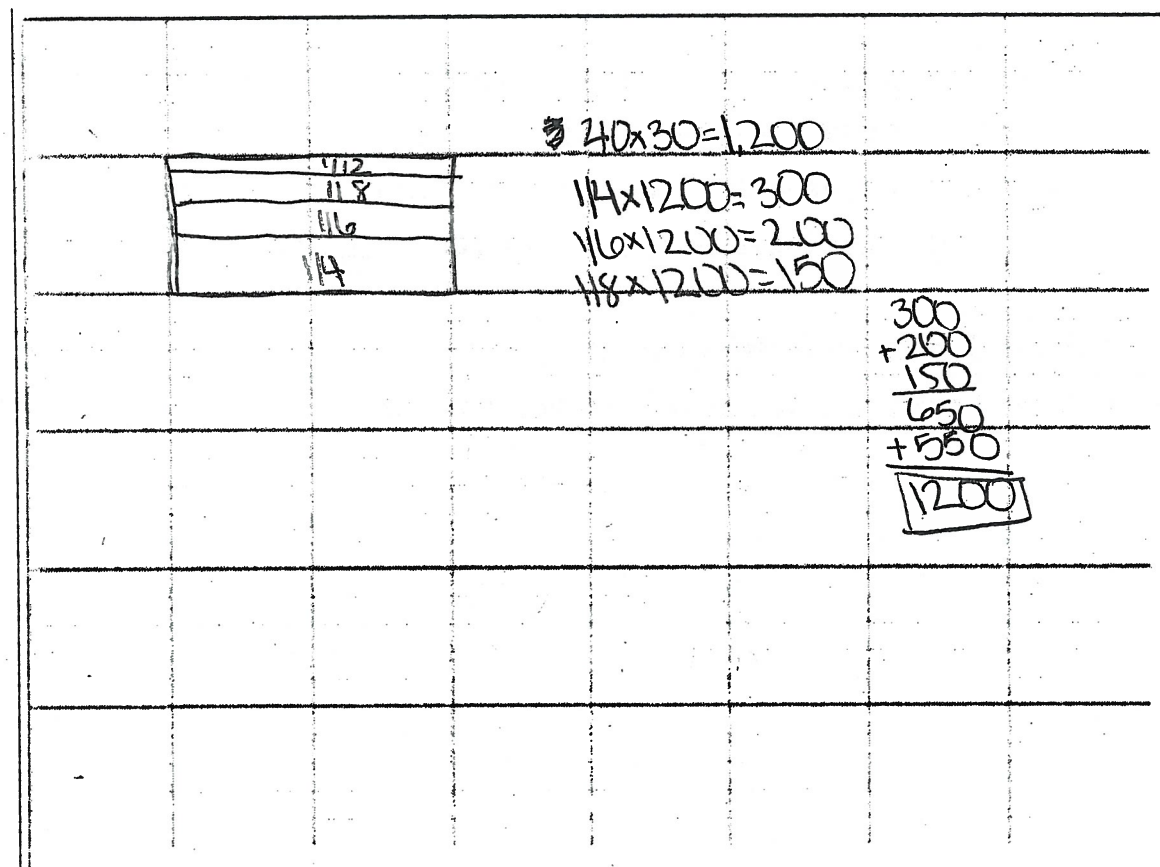
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Use whole number side lengths.

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You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

I think it is 1/12.

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$\begin{array}{r} 300 \\ + 150 \\ + 100 \\ \hline 550 \end{array}$$

$$\begin{array}{l} \frac{1}{4} \times 1200 = 300 \\ \frac{1}{6} \times 1200 = 200 \\ \frac{1}{12} \times 1200 = 100 \end{array}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

$\frac{1}{4}$ of it.

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$\begin{array}{r} 300 \\ 200 \\ + 150 \\ \hline 650 \end{array}$$

$$\begin{array}{r} 300 \\ + 150 \\ 100 \\ \hline 550 \end{array}$$

$$\begin{array}{r} 650 \\ + 550 \\ \hline 1200 \end{array}$$

$$\boxed{1200}$$

+ 2

C10

The Original Class Plan:

- $\frac{1}{4}$ of the garden will be planted with carrots.
- $\frac{1}{6}$ of the garden will be planted with potatoes.
- $\frac{1}{8}$ of the garden will be planted with broccoli.
- $\frac{1}{12}$ of the garden will be planted with corn.

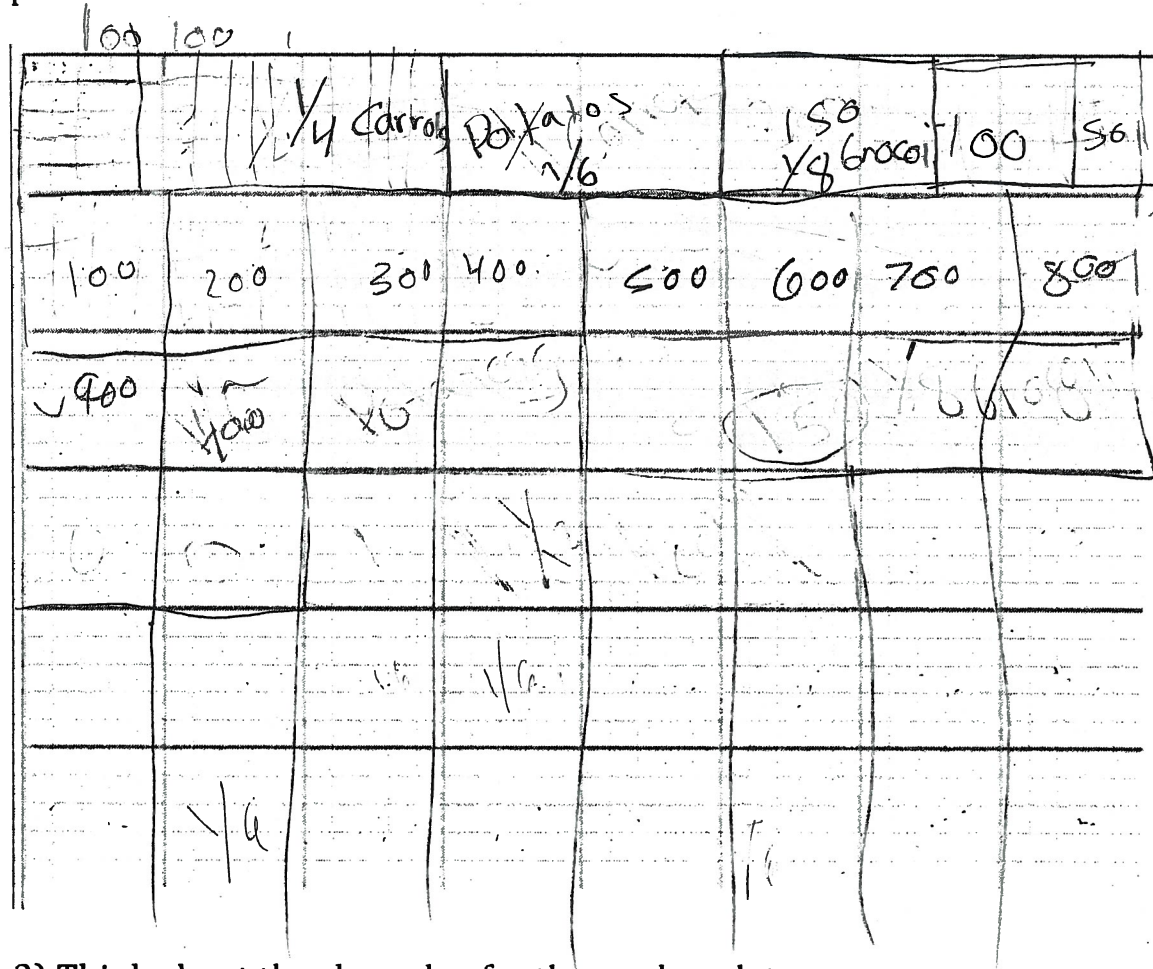
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Use whole number side lengths.

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You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

$\frac{1}{2}$ of the garden will be left.

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$\frac{3}{6}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

$$600 + \frac{1}{6}$$

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$300 + 150 + 200 + 100 + 600 = 1200$$

72

C12

The Original Class Plan:

- $\frac{1}{4}$ of the garden will be planted with carrots.
- $\frac{1}{6}$ of the garden will be planted with potatoes.
- $\frac{1}{8}$ of the garden will be planted with broccoli.
- $\frac{1}{12}$ of the garden will be planted with corn.









1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

~~Each square on the model represents 1 square foot.~~

You must label each rectangular section with the name of the vegetable that will be planted there.

| | | | | | | |
|---|---|--|---|---|--|--|
|  Car |  Car |  Broc |  Pot |  Pot |  Corn |  Corn |
| Car | Car | Broc | Pot | Pot | Corn | Corn |
| Car | Car | Broc | Pot | Pot | Corn | Corn |
| Car | Car | Broc | Pot |  | Corn | Corn |
| Car | Car | Broc | Pot | Corn | Corn | |
| Car | Car | Broc | Pot | Corn | Corn | |

2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

+1 I really believe it is. $\frac{3}{8}$

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

Now I think $\frac{7}{24}$ is going to be planted with potatoes.

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

I think you need 1 over 18.

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$\frac{1}{4} + \frac{1}{8} + \frac{1}{12} + \frac{7}{24} = 1$$

+ 1

C14

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

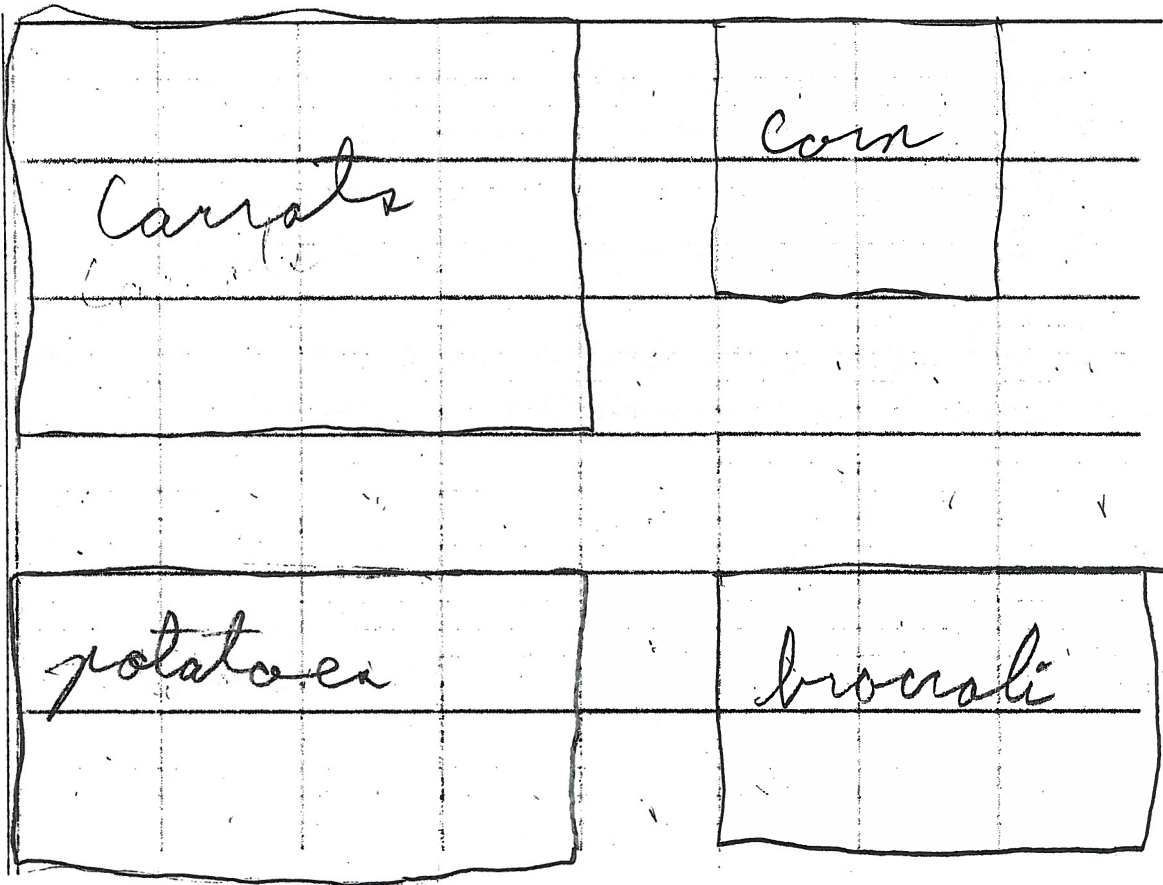
Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.

30

0.625

X/



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

X/

$\frac{3}{8}$ of the garden is left

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?

Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

.375

x (

$$\frac{13}{24}$$

$$\frac{1}{6} + \frac{3}{8}$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

O

26 feet² will be planted with potatoes

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$26 + 12 + 6 + 4 = 48$$

$$\begin{array}{r} 26 \\ 12 \\ 6 \\ + 4 \\ \hline 48 \end{array}$$

+ 1

C15

The Original Class Plan:

- 300 1/4 of the garden will be planted with carrots.
- 200 1/6 of the garden will be planted with potatoes.
- 150 1/8 of the garden will be planted with broccoli.
- 100 1/12 of the garden will be planted with corn.

1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

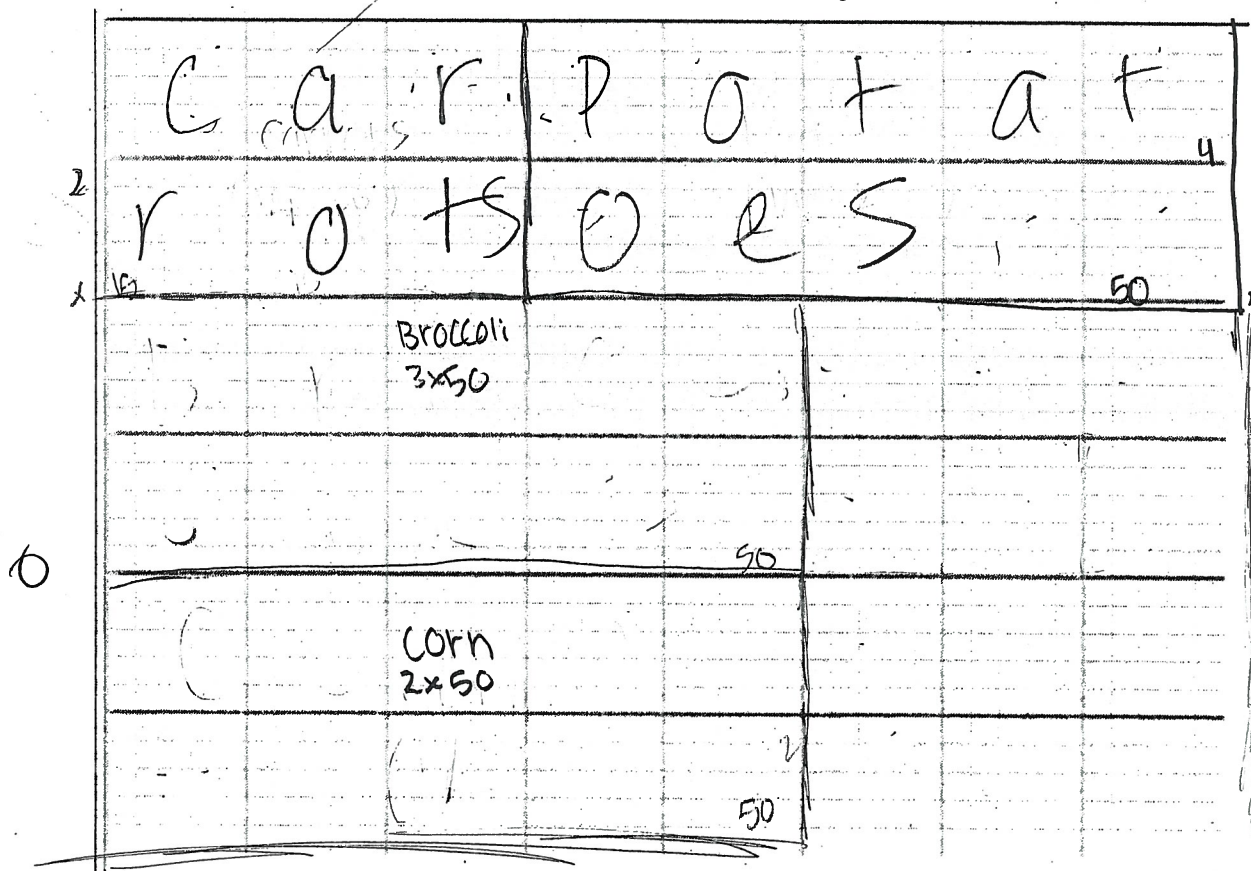
The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.

1,200



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

4

3/8

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$$\frac{1}{6} + \frac{3}{8} = \frac{7}{24}$$

$$7/24$$

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

$$30 + 200 + 150 + 100 = 480$$

$$480$$

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$\frac{7}{24} \times 1200 = 350$$

$$30 + 350 + 150 + 100 = 630$$

C14

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

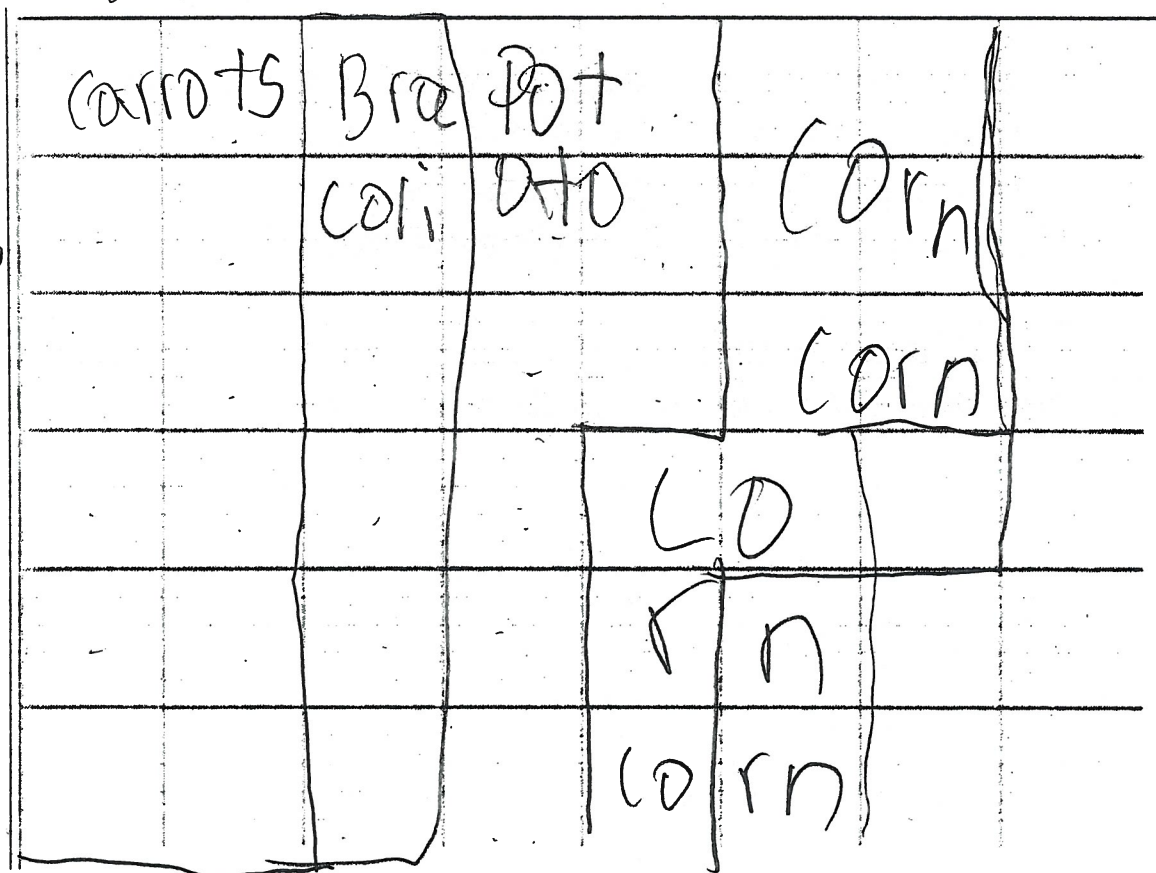
Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.

10

30

0



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

41

3/8

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?

Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$\frac{7}{24}$ will Be Potatoes

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

700 will Be Potatoes

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$\frac{7}{24} + \frac{1}{4} + \frac{1}{8} + \frac{1}{12} = 1$$

+ 1

The Original Class Plan:

- $\frac{1}{4}$ of the garden will be planted with carrots.
- $\frac{1}{6}$ of the garden will be planted with potatoes.
- $\frac{1}{8}$ of the garden will be planted with broccoli.
- $\frac{1}{12}$ of the garden will be planted with corn.

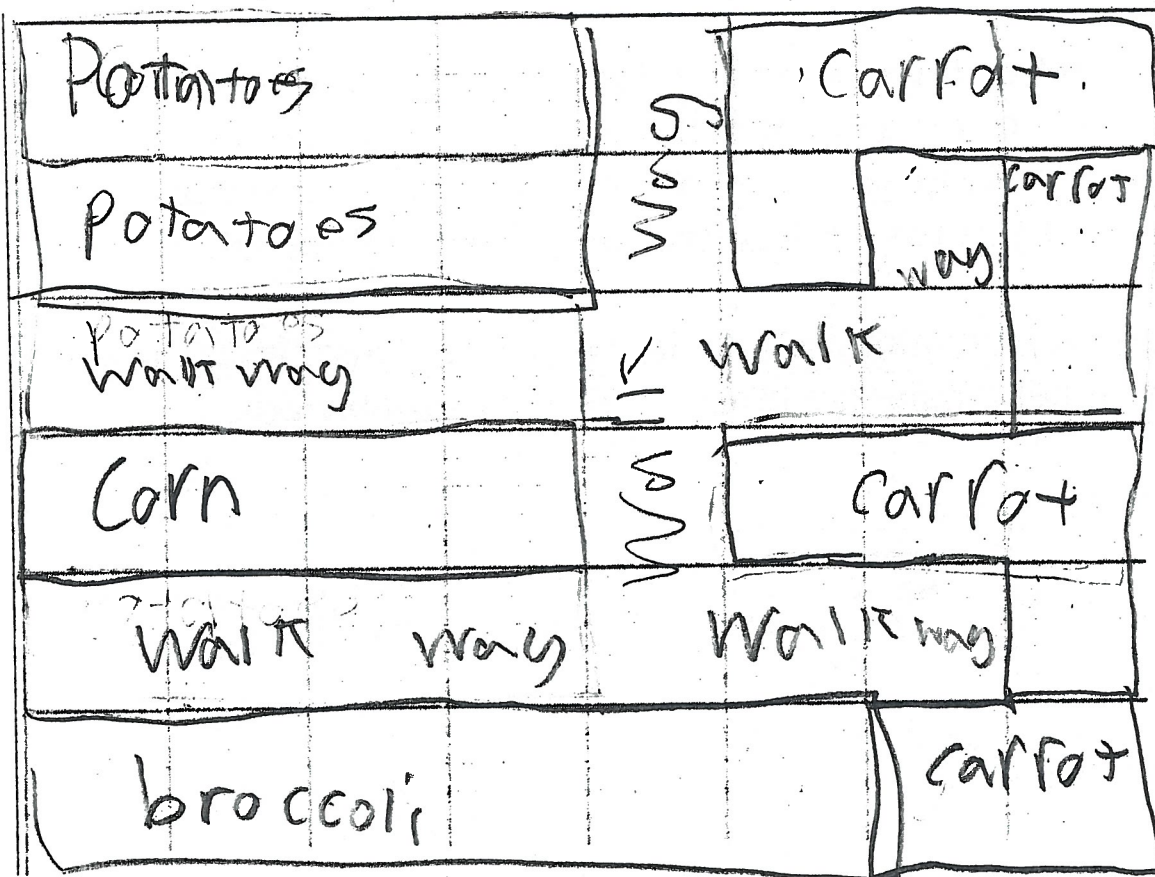
1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

150
after

There will be 450 square feet
planting

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?
Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

$\frac{14}{24}$ is the total fraction for potatoes because of the extra ones

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

275 feet for potatoes

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

The total area is 1,200
The planted area with the extra potatoes is 275 leaving 350 feet for what ever we want ways
+ 1

The Original Class Plan:

- 1/4 of the garden will be planted with carrots.
- 1/6 of the garden will be planted with potatoes.
- 1/8 of the garden will be planted with broccoli.
- 1/12 of the garden will be planted with corn.

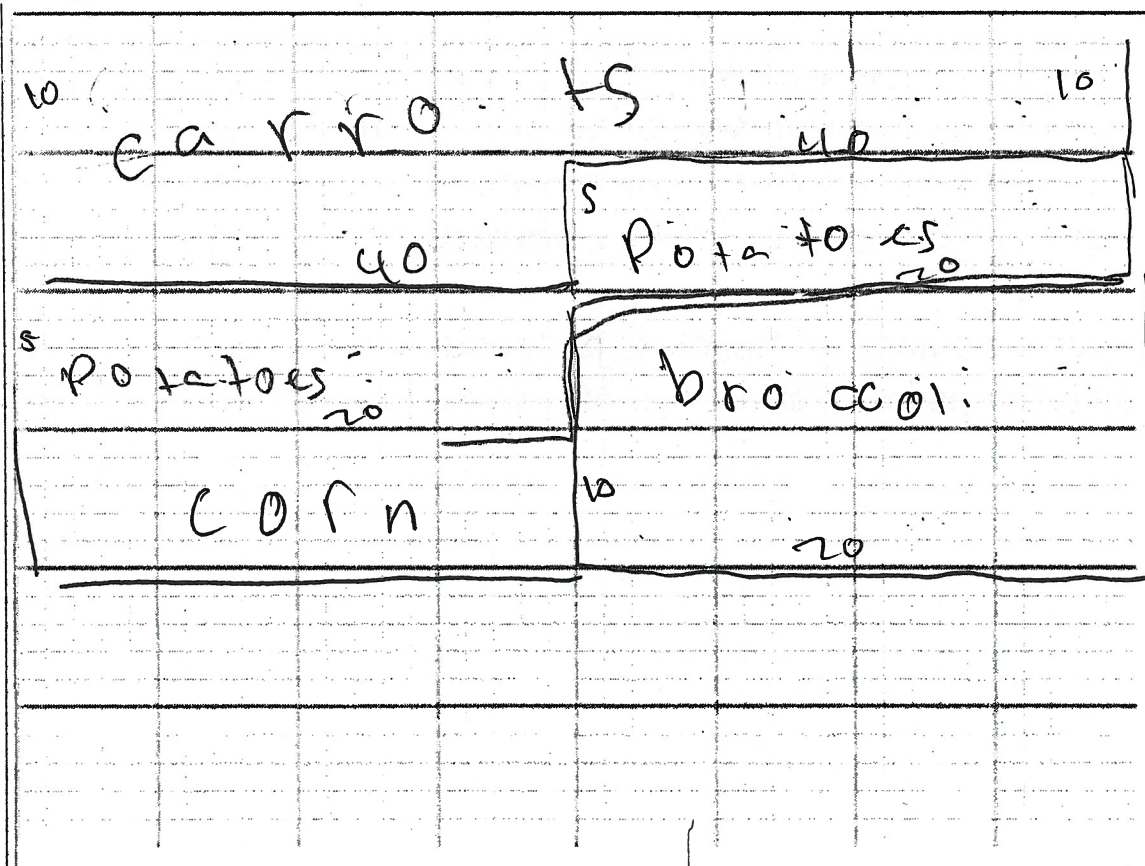
1) Draw rectangles on the model of the garden below to represent the four rectangular sections for planting vegetables according to the class plan.

The garden model is divided into 5 by 5 feet sections

Use whole number side lengths.

Each square on the model represents 1 square foot.

You must label each rectangular section with the name of the vegetable that will be planted there.



2) Think about the class plan for the garden plot.

What fraction of the garden plot will be left over after the class plants their vegetables?

41

There will be $\frac{3}{8}$ left over

Now your class has decided to plant extra potatoes in the unused portion of the garden plot.

3A)

What **total fraction** of the class garden will be planted with potatoes?

Remember that $\frac{1}{6}$ of the garden is already planned for potatoes.

13/24 will be planted with potatoes

3B) How many **total square feet** of the class garden plot will be planted with potatoes?

120 square feet.

Using the new plan with more potatoes, write an equation to show that the **total area** of the class's garden is used to grow vegetables. Make sure the equation shows that the sum of the areas, in square feet, of each section equals the total area of the class's garden.

$$60 + 120 + 20 + 40 = 240 \text{ square feet}$$

+ 1