

# Virginia AGriculture Counts!





***Published by the:***

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***Special thanks is extended to:***

*Virginia Foundation For Agriculture In The Classroom*

*P.O. Box 27552*

*Richmond, VA 23261-7552*

*[www.agintheclass.org](http://www.agintheclass.org)*

**This activity book meets the following Standards of Learning:**

**Science**

3.1, 3.10, 3.11, 4.1, 4.8, 5.1

**History and Social Science**

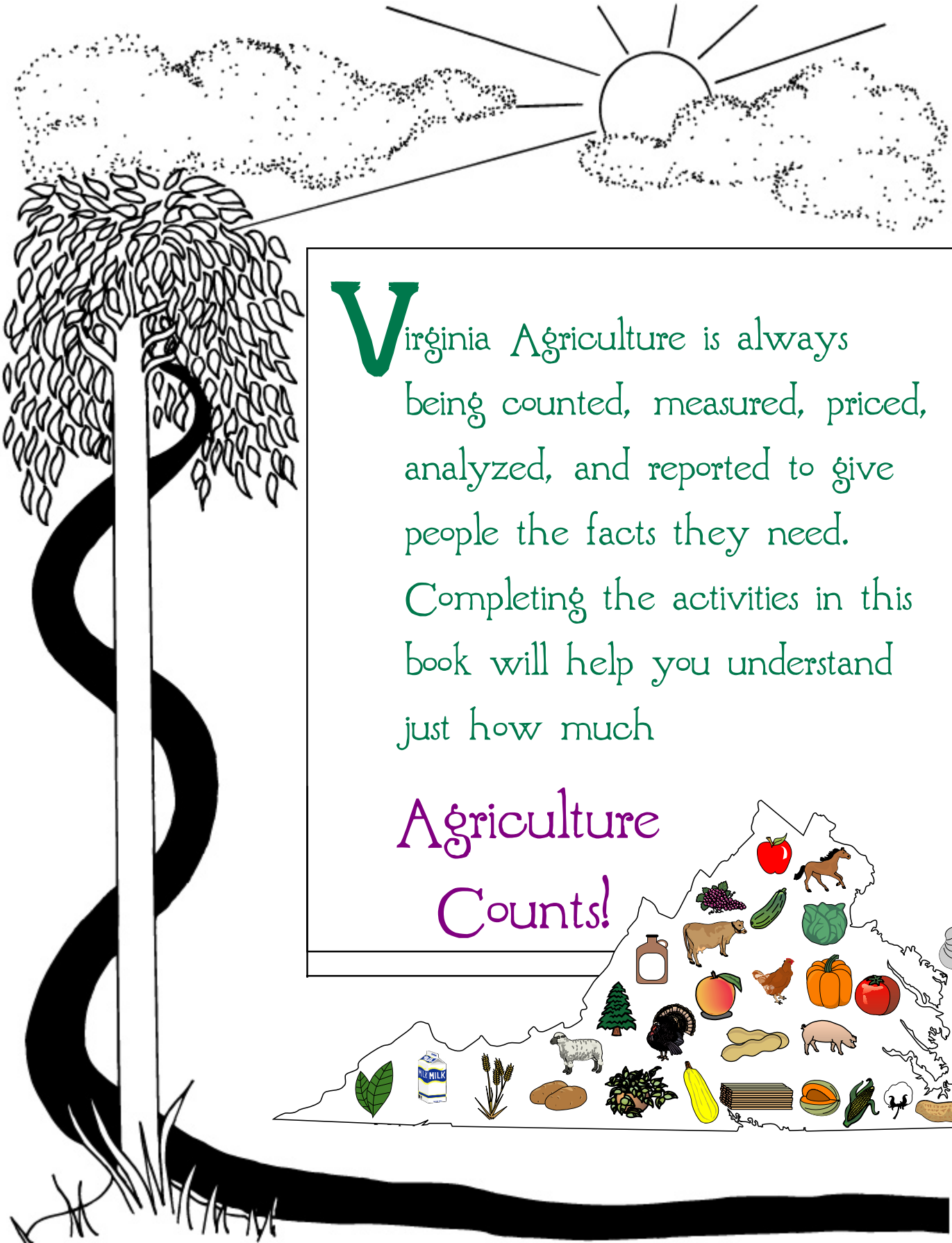
3.6, 3.7, 3.11, VS.1, VS.2, US1.1, US1.2, US1.5

**English**

3.4, 3.6, 3.7, 4.3, 4.5, 4.6, 5.4, 5.6, 5.7

**Math**

3.8, 3.9, 3.21, 3.25, 4.6, 4.7, 4.8, 4.9, 4.20, 4.22, 5.3, 5.18, 5.22



Virginia Agriculture is always being counted, measured, priced, analyzed, and reported to give people the facts they need. Completing the activities in this book will help you understand just how much

## Agriculture Counts!



## It All Started with a Letter

In **1791** President George Washington received a letter from an Englishman named Arthur Young. Mr. Young had written to several farmers requesting information on land values, crops, yields, livestock prices, and taxes with no luck. By personally conducting a mail survey and compiling the results, President Washington was able to gather enough information to answer all of Mr. Young's questions about American Agriculture. George Washington, in effect, had just conducted the Nation's first agricultural survey.



Today, the National Agricultural Statistics Service (NASS) has the responsibility of collecting data for agricultural surveys. NASS has offices in **46** states throughout the United States. NASS also has an international program office that helps other countries with their planning and reporting of agricultural statistics.

Below is a list of countries NASS has worked with. Draw a line to match the name of the continent or region with the correct map.

Africa



Armenia, Bangladesh, China, India, Indonesia, Kazakstan, Nepal, Pakistan, Philippines, Saudi Arabia, Taiwan, Thailand, Turkey, Vietnam, Yemen

Central America



Cameroon, Egypt, Ethiopia, Kenya, Liberia, Morocco, Rwanda, Sierra Leone, South Africa, Sudan, Tunisia, Uganda, Zaire, Zimbabwe

South America



Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua

Asia



Argentina, Bolivia, Brazil, Colombia, Ecuador, Paraguay, Peru, Venezuela

Caribbean



Albania, Bulgaria, Hungary, Poland, Romania, Russia, Ukraine

Europe



Dominican Republic, Haiti, Jamaica,

The USDA/NASS/VA Field Office collects data for Virginia Agriculture. Below is a list of Virginia's top cash commodities. List them in order from highest to lowest.

# Top Cash Commodities



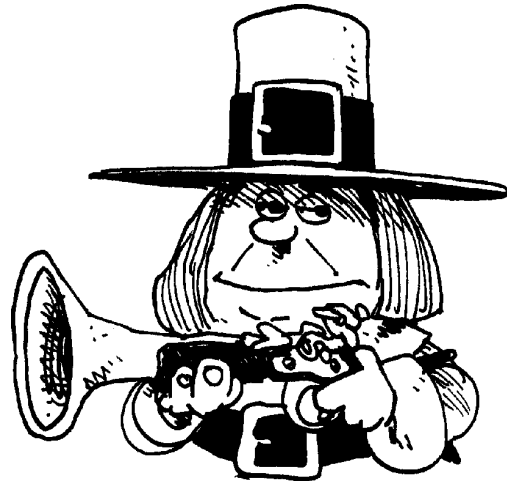
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_

---

	<i>-Million Dollars-</i>
Hogs.....	\$70
Cotton.....	\$43
Corn for Grain.....	\$86
Fresh Market Tomatoes.....	\$99
Broilers.....	\$506
Cattle and Calves .....	\$426
Milk.....	\$266
Turkeys.....	\$261
Soybeans .....	\$87
Tobacco.....	\$72
Hay.....	\$44
Eggs.....	\$67

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The First shipments of Virginia-grown tobacco reached England in **1614**. This began tobacco as a chief export of the American colonies. The ports in Hampton Road are the largest tobacco exporters in the United States. Tobacco is from the Solanaceous (sol'ə nā' shes) family and is related to garden vegetables such as potatoes, tomatoes, and eggplant. Because of its excellent quality, Flue-cured tobacco is produced in many nations around the world including Australia, Canada, Africa, South America, and parts of Asia. Today, tobacco is still Virginia's largest cash crop and number **1** export.



## True or False:

Flue-cured tobacco is only produced in America.

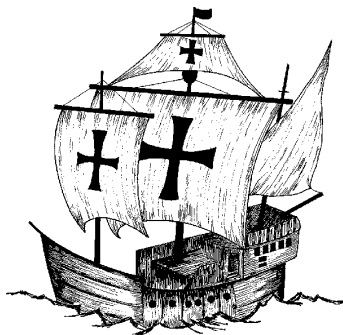
\_\_\_\_\_

Tobacco is a member of the Solanaceae family, which also includes tomatoes, potatoes and peppers.

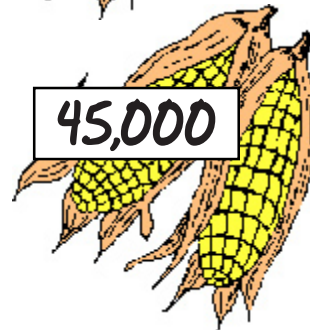
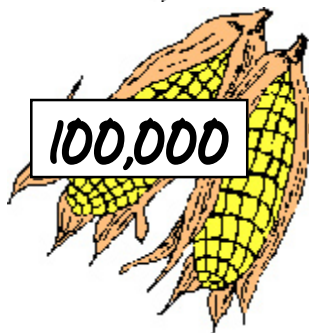
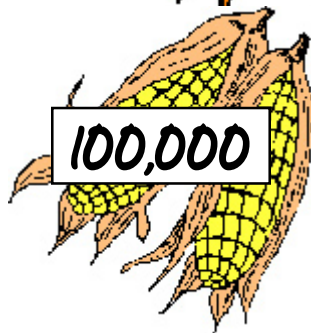
\_\_\_\_\_

The ports of Hampton Roads are the largest in the United States for exporting tobacco and tobacco products.

\_\_\_\_\_



Add the numbers below to find out how many harvested acres of corn for grain was harvested in Virginia.



---

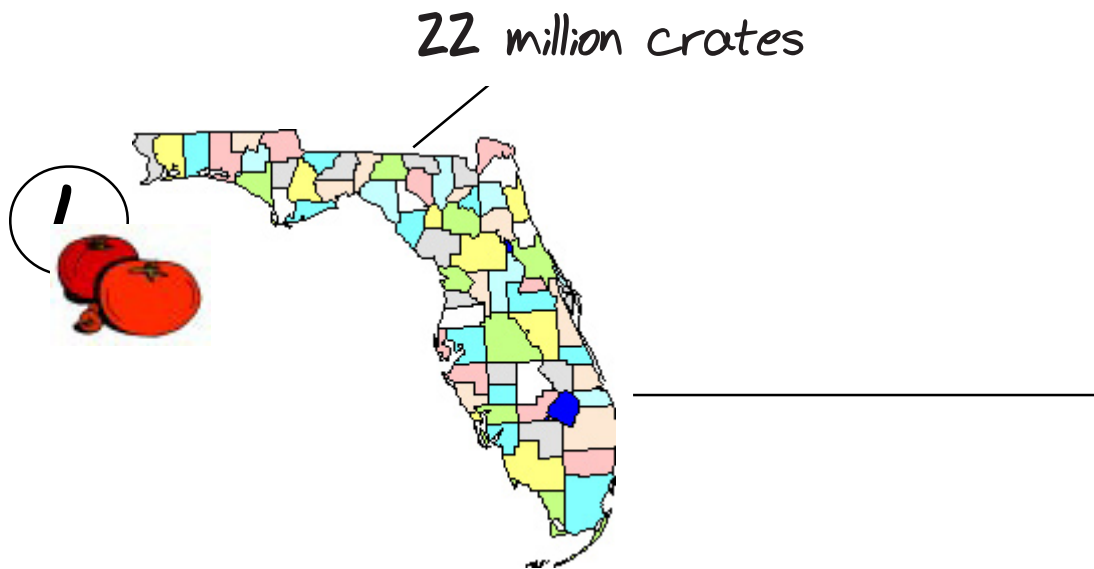
harvested acres



Below are the top three States in the nation for production of tomatoes.  
Can you identify these States?

22 million crates

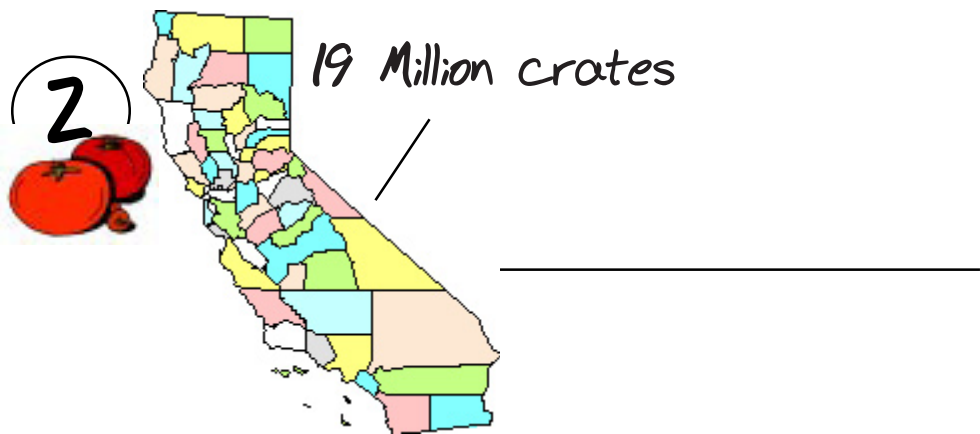
1



A map of the state of Florida is shown, divided into counties. A blue dot is placed in the central part of the state. To the left of the map is a small illustration of three red tomatoes. A line connects the text '22 million crates' to the top of the map. A line connects the circled number '1' to the tomato illustration. A horizontal line is drawn to the right of the map for identification.

19 Million crates

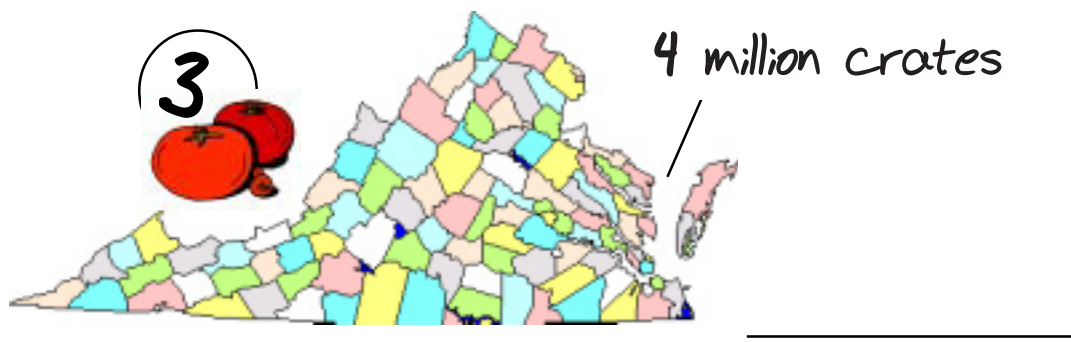
2



A map of the state of California is shown, divided into counties. To the left of the map is a small illustration of three red tomatoes. A line connects the text '19 Million crates' to the top of the map. A line connects the circled number '2' to the tomato illustration. A horizontal line is drawn to the right of the map for identification.

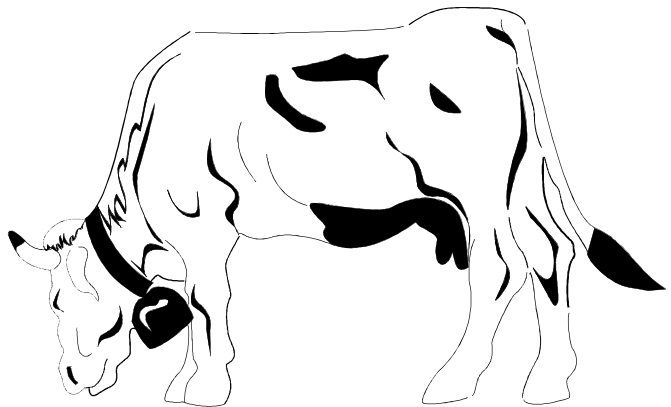
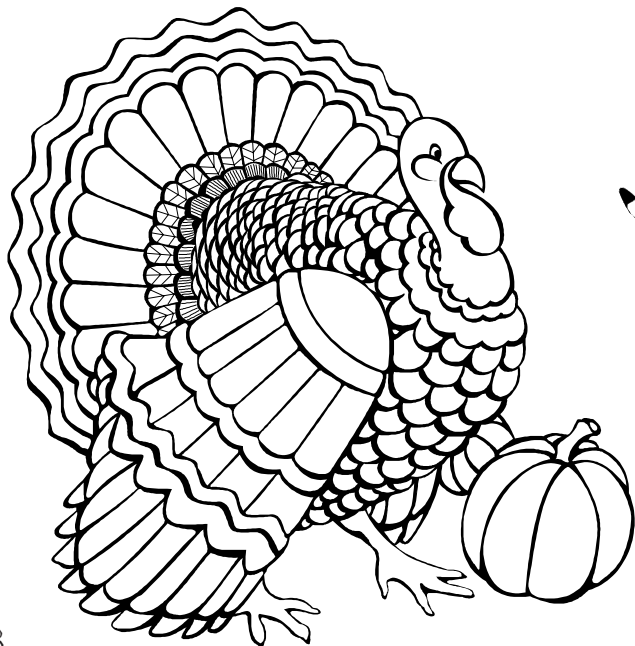
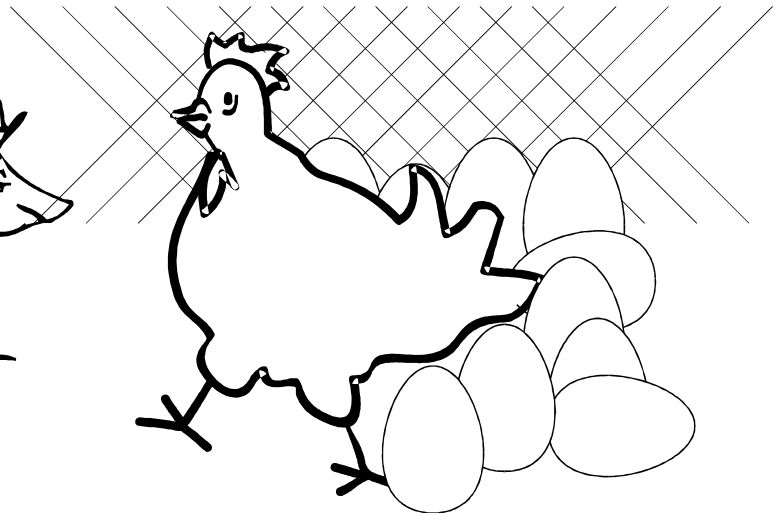
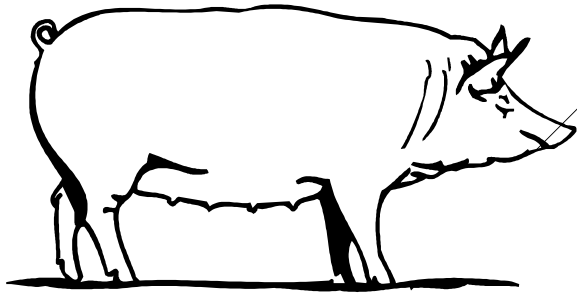
4 million crates

3

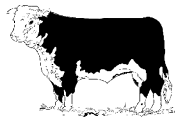


A map of the state of Virginia is shown, divided into counties. To the left of the map is a small illustration of three red tomatoes. A line connects the text '4 million crates' to the top of the map. A line connects the circled number '3' to the tomato illustration. A horizontal line is drawn to the right of the map for identification.

Broilers are Virginia's #1 cash commodity. Cattle and calves are Virginia's #2 cash commodity.



Below are Virginia's top 4 cash commodities. Make a bar chart using the following data about each.



Cattle: \$426



Milk: \$266

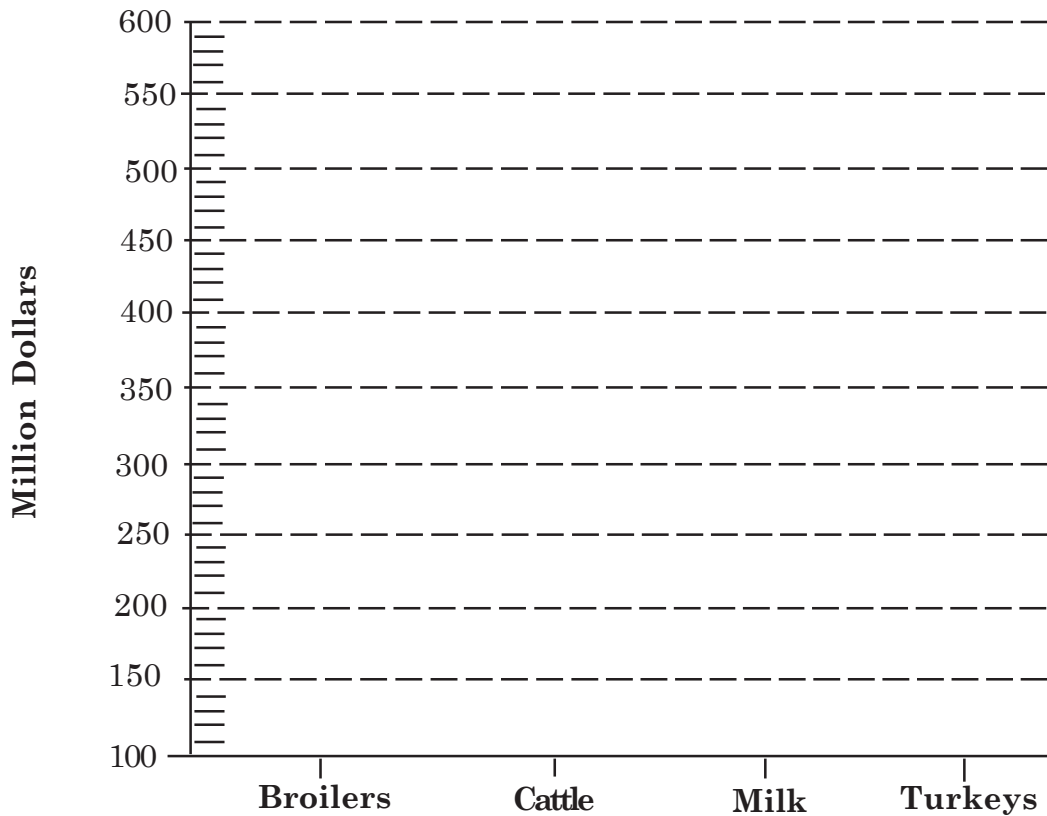


Broilers: \$506

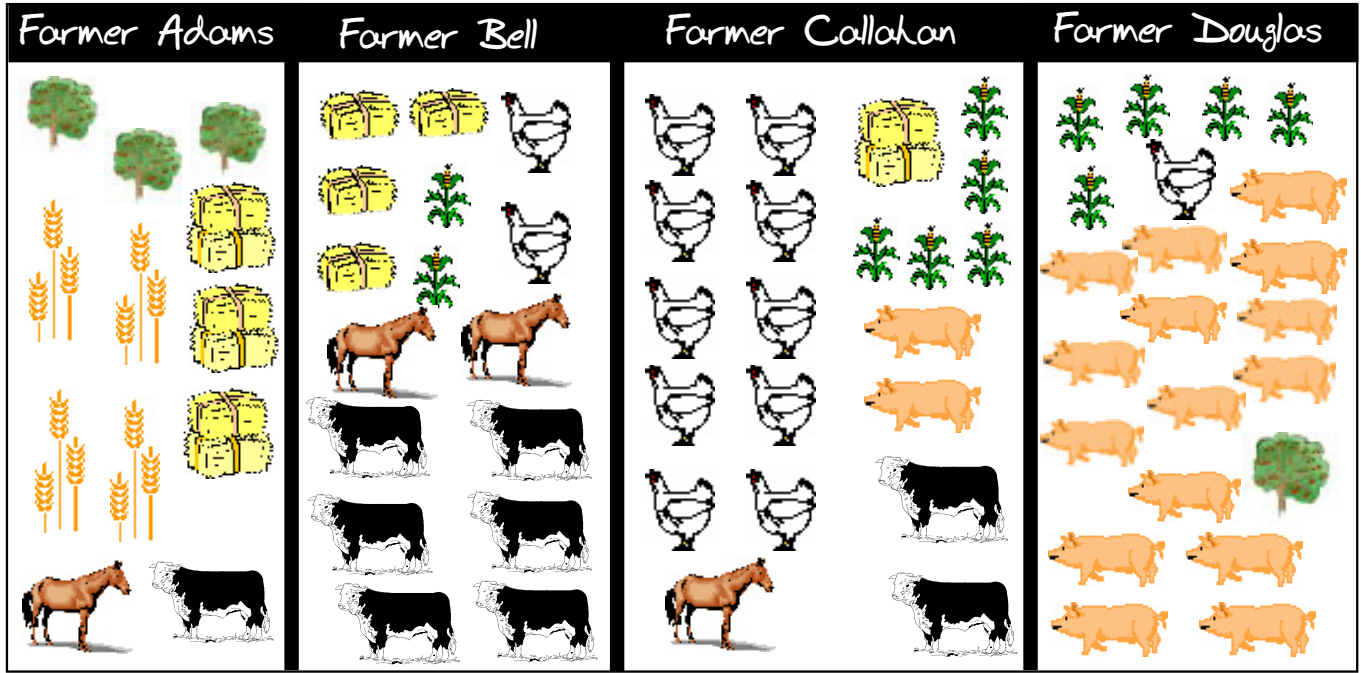
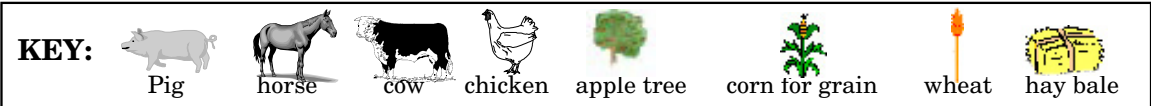


Turkeys: \$261

## Top Four Cash Commodities



Let's Conduct A Survey! Fill out the survey form below for each farm.  
When you complete the survey, use the data to fill in the press release!



## 2015 Survey Form

	Farmer Adams	Farmer Bell	Farmer Callahan	Farmer Douglas	2015 Total	2014 Totals
Pigs						5
Horses						18
Cows						12
Chickens						10
<b>Total Livestock</b>						

	Farmer Adams	Farmer Bell	Farmer Callahan	Farmer Douglas	2015 Total	2014 Total
Apple Trees						5
Corn For Grain						6
Wheat						17
Hay Bales						10
<b>Total Crops</b>						

# CROPS AND LIVESTOCK PRESS RELEASE



DATE: \_\_\_\_\_

RELEASE NUMBER: \_\_\_\_\_

## Virginia Livestock Up/Down \_\_\_\_\_ Head in 2015

Virginia has \_\_\_\_\_ pigs, \_\_\_\_\_ horses, \_\_\_\_\_ cows, and \_\_\_\_\_ chickens. The total livestock for Virginia in 2015 was \_\_\_\_\_. \_\_\_\_\_ showed the most increase with more head than 2014. \_\_\_\_\_ showed the most decrease with \_\_\_\_\_ less head than 2014.

## Virginia Crops Up/Down \_\_\_\_\_ Acres in 2015

Virginia had \_\_\_\_\_ acres of apple trees, \_\_\_\_\_ acres of corn for grain, \_\_\_\_\_ acres of wheat, and \_\_\_\_\_ bales of hay in 2015. Total crop acreage in 2015 was \_\_\_\_\_ acres. \_\_\_\_\_ showed the most increase with \_\_\_\_\_ more acres than 2014. \_\_\_\_\_ showed the most decrease with \_\_\_\_\_ less acres than 2014.

*Agriculture Counts!*

*Agriculture Counts!*

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*Agriculture Counts!*





# Matching

Match the words in column 1 with the animal or crop they came from in column 2. (column 2 words can be used more than once.)

## Column 1

1. bacon \_\_\_\_\_
2. milk \_\_\_\_\_
3. spaghetti sauce \_\_\_\_\_
4. egg \_\_\_\_\_
5. corn meal \_\_\_\_\_
6. peanut butter \_\_\_\_\_
7. pork chops \_\_\_\_\_
8. flour \_\_\_\_\_
9. beef \_\_\_\_\_
10. cider \_\_\_\_\_
11. wool sweaters \_\_\_\_\_
12. french fries \_\_\_\_\_
13. jelly \_\_\_\_\_
14. McNuggets \_\_\_\_\_
15. ketchup \_\_\_\_\_
16. noodles \_\_\_\_\_
17. hamburger \_\_\_\_\_
18. tater tots \_\_\_\_\_
19. drumstick \_\_\_\_\_
20. potato chips \_\_\_\_\_

## Column 2

- a. chicken
- b. cow
- c. pig
- d. corn
- e. apples
- f. wheat
- g. grapes
- h. potatoes
- i. sheep
- j. peanuts
- k. tomatoes



# Farm Scramble

Unscramble the words below  
to reveal a farm word



**rpcso** ----- *What's grown in the fields?* \_\_\_\_\_

**anrb** ----- *What do animals sleep in?* \_\_\_\_\_

**ipg** ----- *Oink Oink* \_\_\_\_\_

**eecfn** ----- *What is used to keep animals in the pasture?* \_\_\_\_\_

**nyobsea** ----- *Type of round bean.* \_\_\_\_\_

**osreh** ----- *Farm animal that's fun to ride* \_\_\_\_\_

**amrfer** ----- *Who takes care of the animals?* \_\_\_\_\_

**actortr** ----- *What plows the field?* \_\_\_\_\_

**ronc** ----- *Crop that's good with salt and butter* \_\_\_\_\_

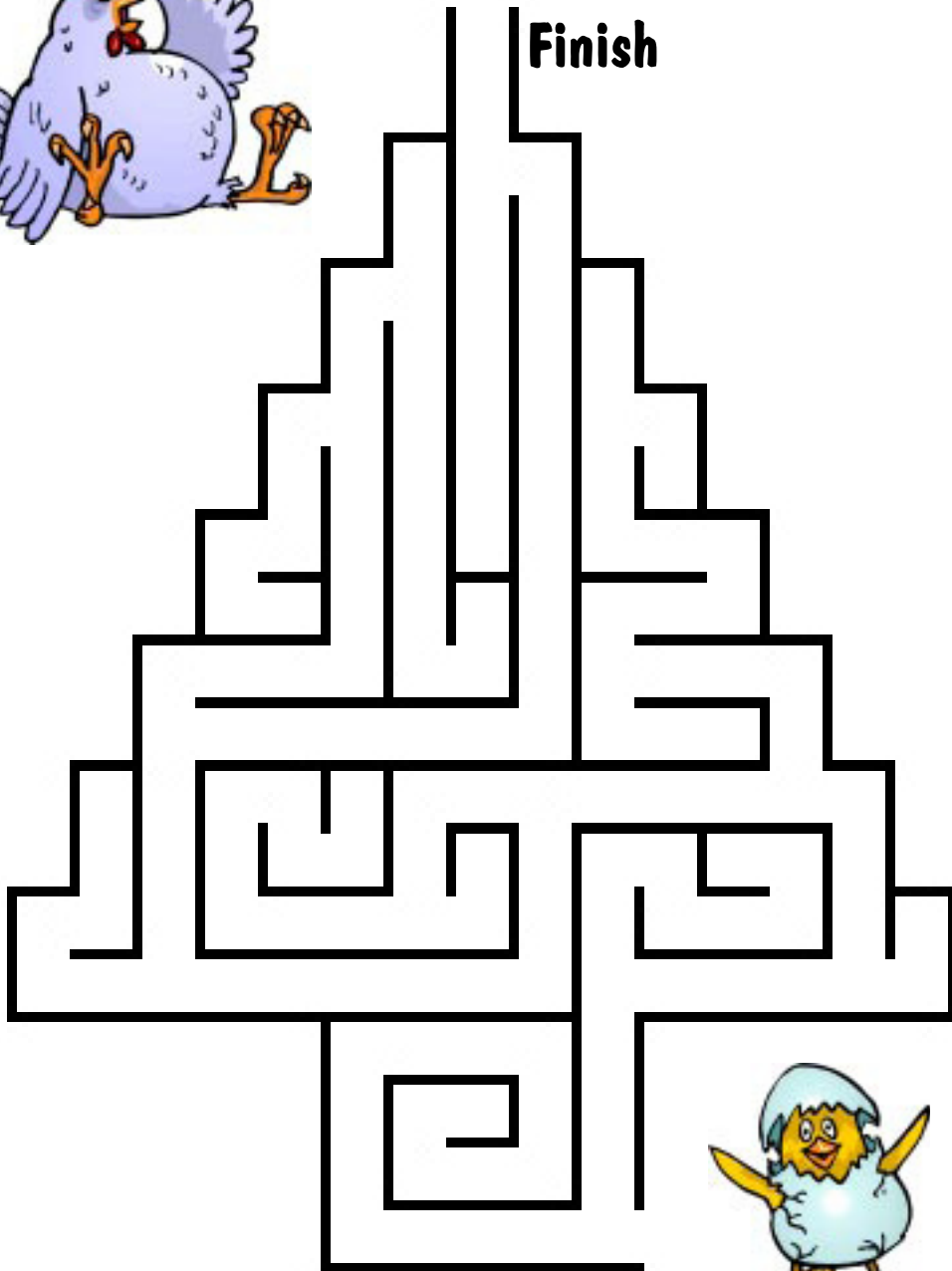
**taewh** ----- *Crop used to make bread* \_\_\_\_\_

# Maze

Help the chick find it's mother

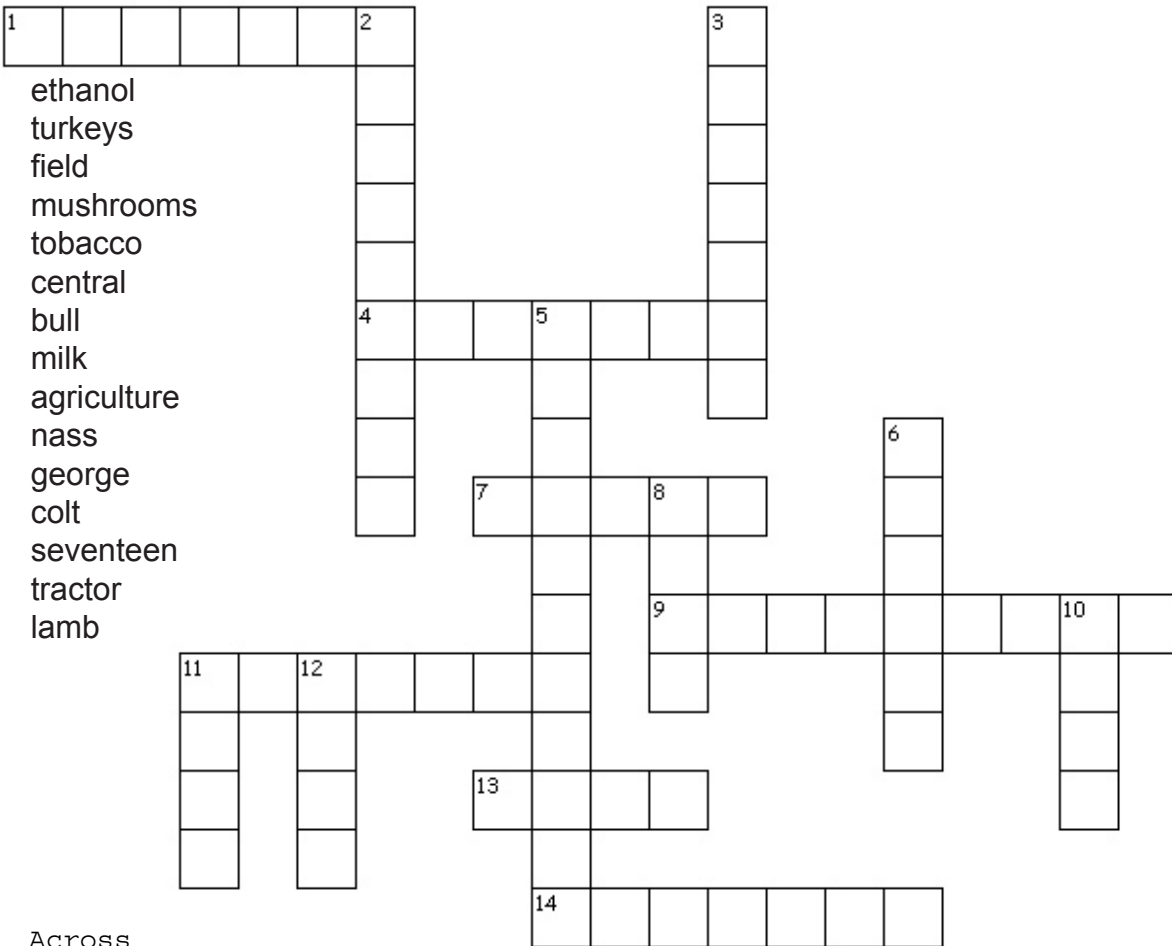


Finish





# KIDZ PUZZLE



- ethanol
- turkeys
- field
- mushrooms
- tobacco
- central
- bull
- milk
- agriculture
- nass
- george
- colt
- seventeen
- tractor
- lamb

Across

- 1. Virginia's number four cash commodity
- 4. Virginia's number one export
- 7. where crops grow
- 9. grows on logs or moist places
- 11. \_\_\_\_\_ America, a region NASS has worked with
- 13. male cattle
- 14. type of fuel corn makes

Down

- 2. total number of pigs from page 10
- 3. what a farmer rides
- 5. what we have been learning about
- 6. \_\_\_\_\_ Washington conducted the first agriculture survey
- 8. Mary had a little \_\_\_\_\_
- 10. a drink with lots of calcium
- 11. a baby horse
- 12. short for the National Agricultural Statistics Service

# Word Find

P R E S S R E L E A S E T A H  
G R I C T R O P X E U R L T A  
U Y R E C A O U N T A S Z A Y  
P B E S T E T D L H Z G N P P  
D O S V W X P I C T M V S P F  
F R H G R U I R S N E M Y L U  
F D E A G U A D T T R I Z E J  
N U U T G B S E N E I Z M T D  
P A B R K O T A P M G C H R S  
O S S G M U S J N M N A S E O  
V N L E R S I R N C Q E Z E K  
V F A K B F O M J H Z P B V B  
I G E A J L X M X G O Y G I S  
F Y R U F F D T B F G J K L K  
A M K E F Q S V X Y V N U R Z

APPLETREE  
BARCHART  
EXPORT  
HAY  
JOHN  
NASS

PRESSRELEASE  
ROLFE  
STATISTICS  
SURVEY  
TURKEY

# Math Square

**Directions:**

Try to fill in the missing numbers.

Use the numbers 1 through 9 to complete the equations.

Each number is only used once.

Each row is a math equation. Each column is a math equation.

Remember that multiplication and division are performed before addition and subtraction.

	x		+		8
x		-		+	
	-		/		4
-		+		+	
	+		x		79
23		5		14	

# Kidz Jokes

Q: What do you say to a cow that crosses in front of your car?

A: Moo-ve over.

Q: Why was the chicken afraid of the chicken?

A: Because it was chicken.

Q: Why do cows have bells?

A: Because their horns don't work.

Q: What do you get when you cross a cow with a duck?

A: Milk and quackers.

Q: What do pigs put on sore toes?

A: Oinkment!

Q: What runs around a farm but doesn't move?

A: A fence.

Q: Why did the foal cough?

A: Because he was a little horse!

Q: What does a police officer use when he arrests a pig?

A: Ham cuffs.

Q: What do you call an arctic cow?

A: An eskimoo!

Q: Why did the farmer call his pig 'Ink'?

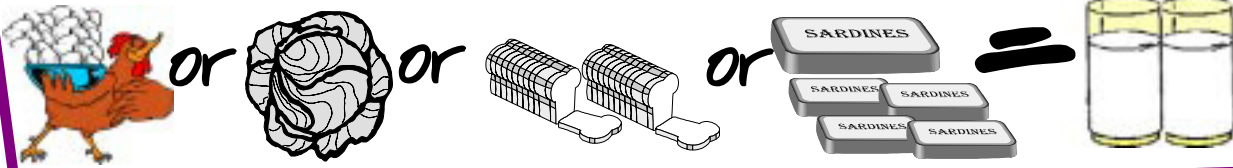
A: Because he kept running out of the pen!

Q: What do you get when you cross a cow with an earthquake?

A: A milk shake!

# FUN AG FACTS!

You would have to eat **11** medium eggs or **17** slices of white bread or **2 1/2** cups of greens, or **4 1/2** ounces of sardines to get the amount of calcium found in just two **8-ounce** glasses of milk.



Virginia peanuts are among the finest in the world. Some people call them the Cadillacs of peanuts.



It takes a broiler egg **21** days to hatch



A milk cow gives an average of **42** pounds of milk a day.





# ANSWER KEY

-page 3-



-page 11-

## Press Release

Virginia Livestock Up Down 2 Head in 2015

Virginia has 17 pigs, 4 horses, 9 cows, and 13 chickens. The total livestock for Virginia in 2015 was 43 head. Hogs showed the most increase with 12 more head than 2014. Horses showed the most decrease with 14 less head than 2014.

Virginia Crops Up Down 2 acres in 2015

Virginia had 4 acres of apple trees, 12 acres of corn for grain, 12 acres of wheat, and 12 bales of hay in 2015. Total crop acreage in 2015 was 40 acres. Corn for grain showed the most increase with 6 more acres than 2014. Wheat showed the most decrease with 5 less acres than 2014.

-page 4-

## Top Cash Commodities

1. Broilers .....	\$506	7. Corn for Grain .....	\$86
2. Cattle and Calves .....	\$426	8. Tobacco .....	\$72
3. Milk .....	\$266	9. Hogs .....	\$70
4. Turkeys .....	\$261	10. Eggs .....	\$67
5. Fresh Market Tomatoes .....	\$99	11. Hay .....	\$44
6. Soybeans .....	\$87	12. Cotton .....	\$43

-page 5-

## True or False

F, F, T

-page 6-

## Harvested Corn Acres

345,000

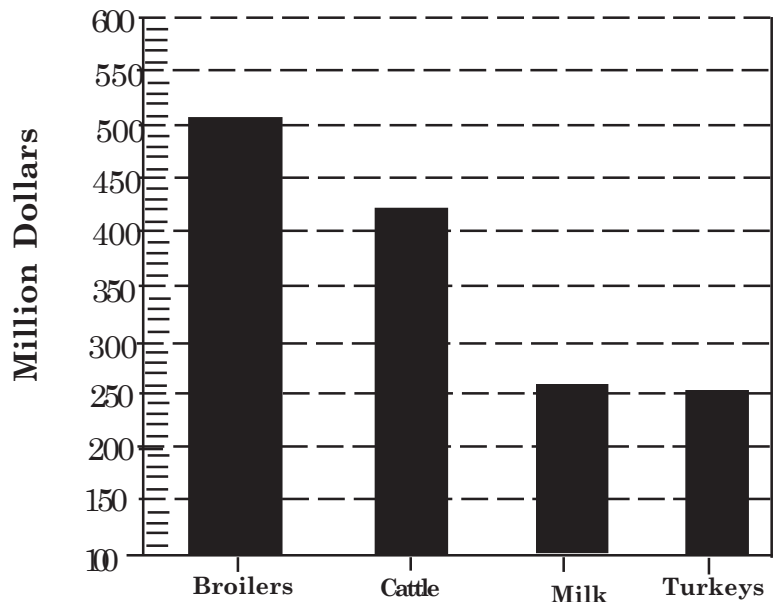
-page 7-

## Tomato producers

1. Florida
2. California
3. Virginia

-page 9-

## Top Four Cash Commodities



### Matching

- 1. C
- 2. B
- 3. K
- 4. A
- 5. D
- 6. J
- 7. C
- 7. F
- 9. B
- 10. E
- 11. I
- 12. H
- 13. G
- 14. A
- 15. K
- 16. F
- 17. B
- 18. H
- 19. A
- 20. H

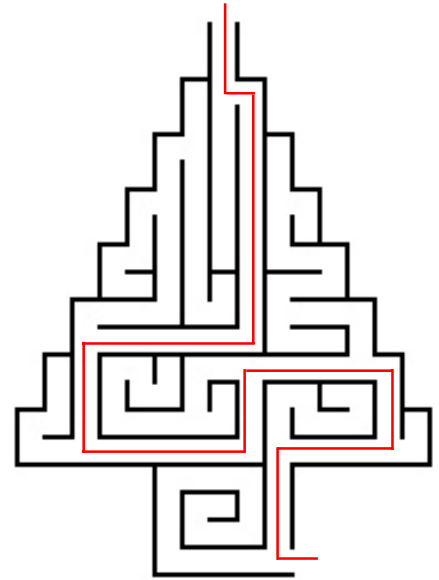
### Farm Scramble

- crops
- barn
- pig
- fence
- soybean
- horse
- farmer
- tractor
- corn
- wheat

### KIDZ PUZZLE

- turkeys t
- e r
- v a
- e c
- n t
- tobacco
- e g r
- e r g
- n field e
- c a o
- u mushrooms
- central b g i
- o a t e l
- l s bull k
- t s r
- ethanol

### Maze



### Word Find

P R E S S R E L E A S E T A H  
 G R I C E R O P X E U R L T A  
 U Y R E C A O U N T A S Z A Y  
 P B E S T E T D L H Z G N P P  
 D O S V W X P I C T M V S P F  
 F R H G R U I R S N E M Y L U  
 F D E A G N A D T F R I Z E J  
 N U U T G B S E N E I Z M T D  
 P A B R K O T A P M G C H R S  
 O S S G M U S J N M N A S E O  
 V N L E R S I R N C Q E Z E K  
 V F A K B F O M J N Z P B V B  
 I G E A J L X M X G O Y G I S  
 F Y R U F F D T B F G N K L K  
 A M K E F Q S V X Y V N U R Z

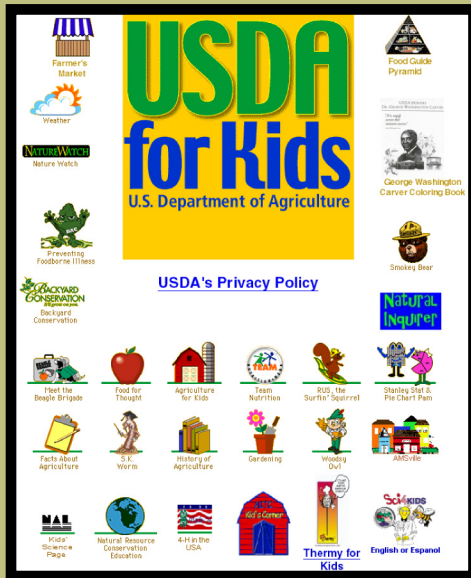
### Math Square

5	X	1	+	3	8
X		-		+	
6	-	4	/	2	4
-		+		+	
7	+	8	X	9	79
23		5		14	

# Visit These Sites For More Agriculture Fun!

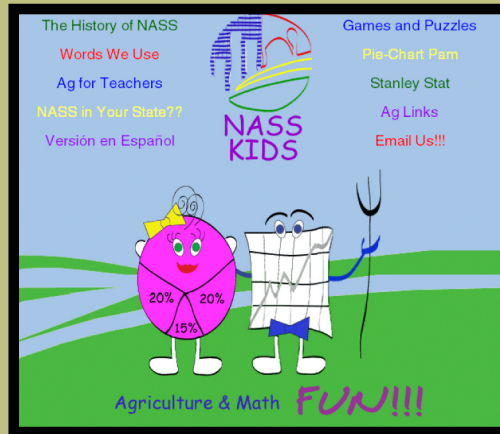
## USDA for Kids

[www.usda.gov/news/usdakids](http://www.usda.gov/news/usdakids)



## NASS KIDS

[www.usda.gov/nass/nasskids](http://www.usda.gov/nass/nasskids)



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