

Agricultural Literacy AMI Day 6

Installment #1 America's Heritage Dairy Cows

To be used with the article entitled, "The Fight for America's Disappearing Ancient Dairy Cows," by Linni Kral. Students may retrieve this article from <https://www.theatlantic.com/science/archive/2017/08/america-heritage-cows/537507/>.

COMMON TECHNICAL CORE STANDARDS

AG/ANI 1

AG/ANI 4

AG/ANI 6

Name: _____ Date: _____ Class Period: _____

Saving Heritage Dairy Cows

Retrieve and read the article entitled, "The Fight for America's Disappearing Ancient Dairy Cows," by Linni Kral. This article can be retrieved from <https://www.theatlantic.com/science/archive/2017/08/america-heritage-cows/537507/>. For each question, write the letter of the best answer in the blank provided.

1. ____ What is the most popular dairy breed in America today?
A. Pineywood B. Milking Shorthorns C. Guernsey D. Holstein

2. ____ According to the article, which of the following statements is correct?
A. New World colonists only domesticated cows that were native to North America.
B. New world colonists used cows that were good for milk, meat, and draft purposes.
C. New world colonists were the first people to use Holstein cows for milk.
D. New world colonists kept their milk cow inside with the family at night.

3. ____ Why did the Holstein cow become so popular?
A. Holsteins have pretty, spotted markings and produce a large volume of milk.
B. Holsteins were native to North America and roamed the prairies.
C. Holsteins were believed to bring good luck to the family that owned them.
D. Holsteins came from Holland when U.S. first started trading goods with Europe.

4. ____ The article mentions factors which made the demand for liquid milk increase. Which of the following was NOT one of them?
A. The development of pasteurization.
B. The development of refrigeration.
C. A rapidly growing population.

D. The invention of breakfast cereals.

5. _____ Why don't more dairy farmers raise the ancient heritage breeds of dairy cows?

- A. The heritage breeds are more expensive to purchase.
- B. Dairy farmers cannot afford to experiment with breeds that produce less milk.
- C. The heritage breeds are harder to find to start a new herd.
- D. The heritage breeds require more expensive milking equipment.

6. _____ What is the purpose of the Livestock Conservancy?

- A. To track and rescue dwindling herds of rare breed heritage cattle.
- B. To help dairy farmers find heritage bulls in order to mix breeds.
- C. To provide consumers with milk from heritage breeds.
- D. To educate farmers about the benefits of the heritage breeds.

7. _____ How does the European Union encourage farmers to raise heritage cattle?

- A. The European Union provides free pasture to farmers who grow heritage cattle.
- B. The European Union requires minimum milk prices so that dairy farmers can stay in business.
- C. The European Union subsidizes heritage cattle husbandry to protect the livestock breeds.
- D. The European Union does not allow heritage cattle to be slaughtered for beef.

8. _____ The article says, "...while this research is valuable, it doesn't **incentivize** risky breeding for the average American dairy farmer. **Incentivize** means

- A. to provide solutions to a difficult situation.
- B. to provide a reward for an action.
- C. to punish inappropriate behavior.
- D. to give money to an expert.

9. _____ According to the article, a popular way of thinking about grocery buying is

- A. health at all costs.
- B. you are what you eat.
- C. real milk instead of almond substitutes.
- D. farm to table.

10. _____ Why are many conservationist against labeling dairy products as "heritage" products?

- A. The label will make the products cost more and sell less.
- B. The label is confusing to consumers, who might think the products are low quality.
- C. Higher prices for "heritage" products could make more dairy farms cross breed heritage breeds with Holstein.
- D. Higher prices for "heritage" products could result in dishonest dairy farmers calling their cows "heritage" even if they are not.

11. _____ According to the article, what will it take for heritage dairy products to win over Holstein dairy products?

- A. The United States government will have to subsidize heritage dairy products with tax dollars.
- B. Dairy farmers will have to cross breed heritage dairy cows with Holstein cows.

Agricultural Literacy AMI Day 7

Installment #2 Bucking Bulls

To be used with the article entitled, "How to Make a Bucking Bull: Good Breeding and Just Maybe, a Cow's Love," by James Gorman. Students may retrieve this article from <https://www.nytimes.com/2019/01/05/science/bulls-rodeo-animals.html>.

COMMON CORE TECHNICAL CORE STANDARDS:

AG-AMI 4

AG-AMI 6

Name: _____ Date: _____ Class Period: _____

How to Make a Bucking Bull

Retrieve and read the article entitled, "How to Make a Bucking Bull: Good Breeding and, Just Maybe, a Cow's Love," by James Gorman. This article can be retrieved from <https://www.nytimes.com/2019/01/05/science/bulls-rodeo-animals.html>. For each question, write the letter of the best answer in the blank provided.

- ____ According to the article, what is the job of the bucking bull?
A. To scare the audience by injuring or appearing to injure the rider.
B. To produce semen that sells for thousands of dollars per straw.
C. To buck, spin, and kick as hard and unpredictably as they can with a rider.
D. To throw a rider within three seconds in the ring.
- ____ What is the most common injury to bull riders?
A. broken wrist B. concussion C. joint separation D. facial lacerations
- ____ Figurative language is the use of a word or phrase differently from its normal, everyday meaning. Figurative language usually is a simile, metaphor, personification, or idiom used to describe something in a creative way. Which of the following statements does NOT use figurative language?
A. The animals emerge into an animal-athlete locker room.
B. Some bulls walk calmly into the mazelike corral.
C. Some bulls come in hot, trying to charge the workers.
D. For the riders, bull riding is astonishingly dangerous.
- ____ According to the article, how is bull riding different from other rodeo events?
A. Bull riding is more physically demanding than other events.
B. Bull riding events do not use rodeo clowns.
C. Bull riders are required to wear helmets.

Agricultural Literacy AMI Day 8

Installment #3 Escape from a Grain Bin

To be used with the article entitled, "Descent into Hell: Farmer Escapes Corn Tomb Death," by Chris Bennett. Students may retrieve this article from

<https://www.agweb.com/article/descent-hell-farmer-escapes-corn-tomb-death>.

COMMON CORE TECHNICAL CORE STANDARDS:

AC-MO #1

Name: _____ Date: _____ Class Period: _____

Escape from a Grain Bin

Retrieve and read the article entitled, "Descent into Hell: Farmer Escapes Corn Tomb Death," by Chris Bennett. This article can be retrieved from

<https://www.agweb.com/article/descent-hell-farmer-escapes-corn-tomb-death>. For each question, write the letter of the best answer in the blank provided.

1. _____ When Arick Baker was trapped in the corn bin in Iowa, what caused him the most pain?

- A. The cuts from the auger.
- B. The pressure of the corn on his foot.
- C. The burns from the safety rope.
- D. Dust from the corn that went into his lungs.

2. _____ Why is it so hard to rescue someone from a grain bin?

- A. The grain closes around the victim and packs in like concrete.
- B. The grain cannot be scooped or shoveled like water.
- C. The fumes from hot grain cause the victim to become disoriented.
- D. Most grain bins are metal that blocks all cell phone signals.

3. _____ Which item saved Arick Baker's life?

- A. His cell phone
- B. His safety boots
- C. A rope and pulley
- D. His respiratory mask

4. _____ What caused the corn to be more likely to clump in the bin in Iowa in 2013?

- A. The auger had been broken for seven days.
- B. The corn had been harvested during a rainy season in 2012.
- C. Arick Baker did not stir the corn in the grain bin.
- D. High temperatures caused the corn to expand and pop open.

Agricultural Literacy AMI Day 9

Installment #4 Young Farmers Need Land

To be used with the article entitled, "Young Farmers Can't Farm Without Land," by April Simpson. Students may retrieve this article from

<https://www.pewtrusts.org/en/research-and-analysis/blogs/stateline/2018/12/13/young-farmers-cant-farm-without-land>

TECHNICAL CORE STANDARDS:

AG-BIZ 1

AG-BIZ 2

Name: _____ Date: _____ Class Period: _____

Young Farmers Need Land

Retrieve and read the article entitled, "Young Farmers Can't Farm Without Land," by April Simpson. This article can be retrieved from

<https://www.pewtrusts.org/en/research-and-analysis/blogs/stateline/2018/12/13/young-farmers-cant-farm-without-land>. For each question, write the letter of the best answer in the blank provided.

1. _____ Which of the following statements is correct?
 - A. Since 1978, the share of farm operators who are 65 or older has grown.
 - B. Since 1978, the share of farm operators who are 65 or older has shrunk.
 - C. Nearly half of America's family farms are led by someone 65 or older.
 - D. Nearly half of America's family farms are led by someone 35 or younger.

2. _____ What was the average age of principal farm operators in America in 2012?
 - A. 38
 - B. 48
 - C. 58
 - D. 68

3. _____ What was the average price of farmland in America in 2018?
 - A. \$1,028 per acre
 - B. \$2,018 per acre
 - C. \$3,140 per acre
 - D. \$8,080 per acre

4. _____ MATH CONNECTION. The article says the most expensive farmland in America is in Rhode Island at \$13,800 per acre. If a farmer wanted to buy 600 acres of farmland in Rhode Island, about how much should he expect to pay for the land?
 - A. About \$78,000
 - B. About \$230,000
 - C. About \$820,000
 - D. About \$8.2 million

5. _____ In addition to the cost of land, what else keeps young people from trying a career in farming?
 - A. Many young people are afraid of getting injured.
 - B. Most young people do not understand how much work is involved in farming.

Agricultural Literacy AMI Day 10

Installment #8 Mostly Mutts Small Animal Rescue

To be used with the article entitled, "Furr-Ever Home," by Carol Davis for *Out Here* magazine.

Students can retrieve this article from

https://www.tractorsupply.com/out-here_issues_2018-fall_mostly-mutts-animal-rescue.html

Common Core Technical Core Standards

AG-ANI #1

AG-ANI #7

Name: _____ Date: _____ Class Period: _____

Mostly Mutts Small Animal Rescue

Retrieve and read the article entitled, "Furr-Ever Home," by Carol Davis. This article can be retrieved from

https://www.tractorsupply.com/out-here_issues_2018-fall_mostly-mutts-animal-rescue.html

For each of the following questions, write the letter of the best answer in the blank provided.

1. _____ Who is Roxy?
 - A. The original owner of Mostly Mutts.
 - B. The Georgia resident who donated a shelter to Mostly Mutts.
 - C. A rescue dog who became a world disc champion.
 - D. The executive director of Mostly Mutts.

2. _____ According to the writer, what is the first requirement for running an animal rescue shelter?
 - A. Loads of cash from corporate sponsors.
 - B. Teen volunteers who are reliable.
 - C. A love and deep compassion for animals.
 - D. A veterinarian on staff.

3. _____ The article says, "...Tammy knows that operating a shelter requires running it like a business, which requires business **acumen**, funding, and making tough decisions." **Acumen** means
 - A. lack of emotion
 - B. keen insight
 - C. education
 - D. corporate support

4. _____ How does Tammy Turley "take good care of" volunteers?
 - A. She provides flexible scheduling, good training, and pizza and ice cream parties.
 - B. She provides volunteers with free health care for their own pets.
 - C. She provides volunteers with an on-site gym.