



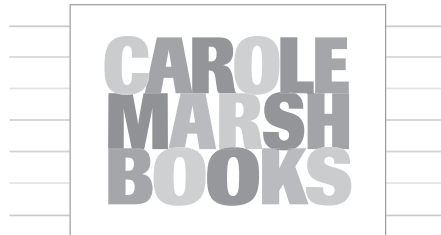
The Mystery at the
**KENTUCKY
DERBY**

Teacher's Guide

by
Carole Marsh



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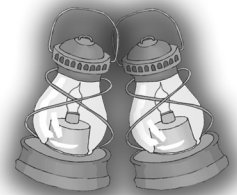
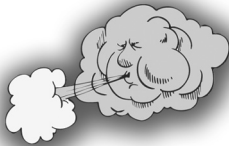
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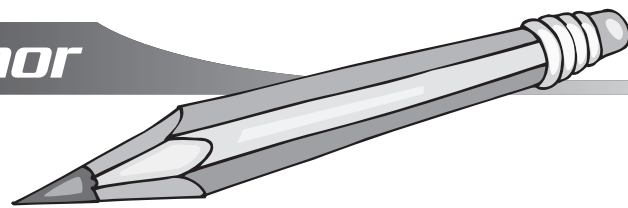
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- #1 THE MYSTERY OF BILTMORE HOUSE
- #2 THE MYSTERY AT THE BOSTON MARATHON
- #3 THE MYSTERY OF BLACKBEARD THE PIRATE
- #4 THE MYSTERY OF THE ALAMO GHOST
- #5 THE MYSTERY ON THE CALIFORNIA MISSION TRAIL
- #6 THE MYSTERY OF THE CHICAGO DINOSAURS
- #7 THE WHITE HOUSE CHRISTMAS MYSTERY
- #8 THE MYSTERY ON ALASKA'S IDITAROD TRAIL
- #9 THE MYSTERY AT KILL DEVIL HILLS
- #10 THE MYSTERY IN NEW YORK CITY
- #11 THE MYSTERY AT DISNEY WORLD
- #12 THE MYSTERY ON THE UNDERGROUND RAILROAD
- #13 THE MYSTERY IN THE ROCKY MOUNTAINS
- #14 THE MYSTERY ON THE MIGHTY MISSISSIPPI
- #15 THE MYSTERY AT THE KENTUCKY DERBY
- #16 THE GHOST OF THE GRAND CANYON



A Word from the Author

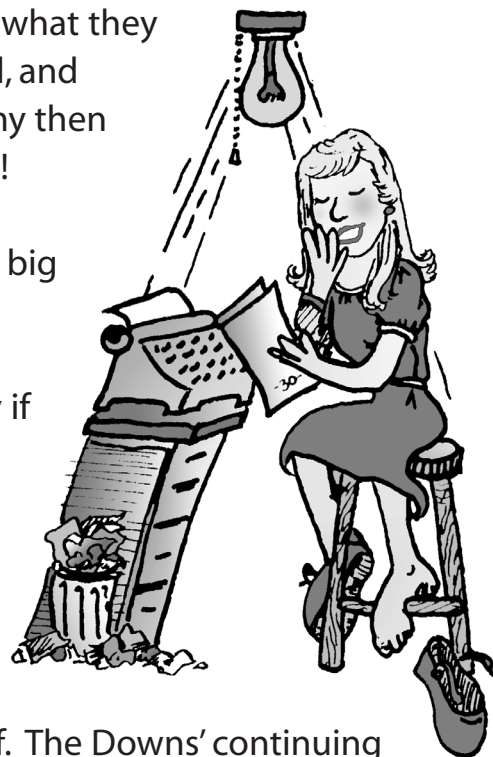


Dear Teachers,

In 1979, I began writing children's mysteries set at historic sites that still existed—primarily so that kids could go and see what they had read about. Frankly, I found no more fun, educational, and stress-free (actually, just plain joyful!) activity to do with my then school-age children than to visit a fascinating historic site!

Many people believe that visiting Louisville for “the big one” at Churchill Downs is the only time to go, and it is an amazing experience. Actually, Louisville and the rest of Kentucky have a lot to offer the rest of the year, especially if you like horses. There's history, mystery, legend, lore, fun, fantasy, and much more!

Yes, Churchill Downs is a major, world-class tourist attraction, but it is also one gigantic history lesson! It is fascinating to learn what it takes to make it to the Derby as a horse, and all the preparation for the race itself. The Downs' continuing role in Louisville, along with the interesting things that have happened there over the years, is just amazing!



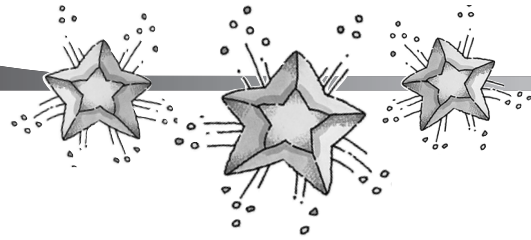
We learned a lot, but what we learned best is that kids and adults can learn together. Reading and going and seeing and doing is what education is all about, and most especially, that “adopting” a subject or place leads to a lifelong interest in an era, a place, the people, and all the fascinating facts that made up their lives. We learned that history is still “living” and is not lost on kids! In fact, it is quite a revelation!

Enjoy your Kentucky Derby mystery adventure!

Carole Marsh



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The Mystery at the **KENTUCKY DERBY**

30^{YEARS} AGO . . .

As a mother and an author, one of the fondest periods of my life was when I decided to write mystery books for children. At this time (1979) kids were pretty much glued to the TV, something parents and teachers complained about the way they do about video games today.

I decided to set each mystery in a real place—a place kids could go and visit for themselves after reading the book. And I also used real children as characters. Usually a couple of my own children served as characters, and I had no trouble recruiting kids from the book's location to also be characters.

Also, I wanted all the kids—boys and girls of all ages—to participate in solving the mystery. And, I wanted kids to learn something as they read. Something about the history of the location. And I wanted the stories to be funny.

That formula of real+scary+smart+fun served me well. The kids and I had a great time visiting each site and many of the events in the stories actually came out of our experiences there. (For example, we really did stay at a horse farm outside Louisville, go to the Kentucky Derby Museum and the Falls of the Ohio, see the Pegasus Parade, get snorted on by a horse, and have many more adventures in the Louisville area!)

I love getting letters from teachers and parents who say they read the book with their class or child, then visited the historic site and saw all the places in the mystery for themselves. What's so great about that? What's great is that you and your children have an experience that bonds you together forever. Something you shared. Something you both cared about at the time. Something that crossed all age levels—a good story, a good scare, a good laugh!

30 years later,

Carole Marsh



Kentucky Tourist Information

Kentucky Derby

For Derby coverage, history, events and to hear the song, "My Old Kentucky Home."
www.kentuckyderby.com

Kentucky Tourism Council

1100 127 South Building C
Frankfort, KY 40601
800-225-TRIP(8784)
www.tourky.com

Kentucky Department of Travel

500 Metro Street South 2200
Frankfort, KY 40601
800-225-8747 or 502-564-4930
www.kytourism.com

Louisville Zoo

This 134-acre zoo has more than 1300 exotic animals in natural exhibits with exotic plants. 1100 Trevilian Way, Louisville, 502-459-2181
www.louisvillezoo.org

Buffalo Crossing Restaurant and Fun Ranch

1000-acre (405-hectare) working bison farm with restaurant, petting zoo, lakes, and playgrounds.
1142 Bagdad Road, Hwy. 12
Shelbyville, KY, 502-647-0377
www.buffalocrossing.com

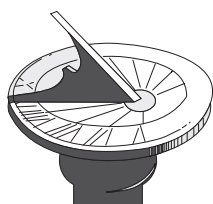
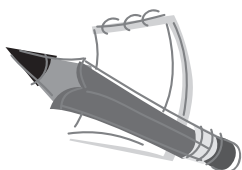
Colorfest (October) Bernheim Forest

Spectacular fall color, hikes, guided walks, pumpkin carving, and more family fun
Nature@bernheim.org

Kart Kountry-Shepherdsville

The longest go-kart track in the world, and other fun activities!
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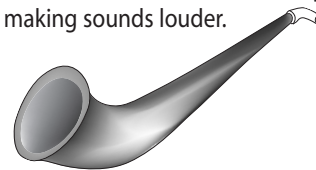
<u>Page #</u>	<u>Subject</u>	<u>EXPLORE!</u>
1	Science	Fog is condensed water vapor in mass like a cloud close to the ground.
1	Vocabulary	“Penetrate” means to pierce or to enter or force a way into something.
1	Writing	How does the author create a sense of foreboding which means a feeling that something is going to happen. Which words create suspense? (Fog, eerie, etc.)
1	Vocabulary	A “silhouette” is an outline of someone or something that appears dark against a lighter background.
1	Writing	Do you feel like you are almost in the story because of all the descriptive words the author uses? What do you see? (Fog) What do you hear? (The hoofbeats of a lone horse)
2	Science	Every sound is made by things vibrating. Sound waves make parts of the ear vibrate, including the eardrum.
3	Science	Clocks and calendars were first used thousands of years ago. Both depend on the Earth’s movements. A day is one spin of the Earth. A year is the time it takes for the Earth to travel around the sun.
5	Writing	The horse began in a trot, then began to canter, then it galloped. (See glossary for definitions on page 136.) Were the horse’s movements getting faster or slower? (The horse was getting faster)



Hearing

Hearing Aids

Hearing aids contain tiny speakers and microphones to help people hear by making sounds louder. The ear trumpet was used before hearing aids were invented. It also worked by making sounds louder.



Listen Up!

Dogs can hear sounds that are higher or lower than people can hear. Dolphins and bats can make and hear sounds that are even higher. They use this hearing to find their way around.

How Horses Hear:

A horse’s hearing has a wider range for high-frequency tones, like the ultrasonic sound bats make. In its natural environment, a horse is a prey animal. Its ability to hear well helps it be aware that a predator sneaking up, and helps the horse escape its attack.

Ever see a horse stop suddenly while grazing? Its specialized hearing may have picked up on a slight rustling sound similar to that of an approaching enemy. If it perceives danger, it may even get spooked and run away.

Some horses get spooked more easily than others. Horses have different personalities like people do. Sometimes male horses react more to sounds because in their natural setting, they are guards who alert the herd if there is any danger.

Some owners use earplugs to help horses deal with the stress of being in a show and its sound activity.

Good hearing has helped horses survive throughout the centuries.

- 7 Language Do you know any words in “horse talk?” “Whoa” means stop.
- 8 Manners Why do Mimi and Papa expect the kids to say Ma’am, sir, Mr., and Mrs.? (To show respect for adults)
- 8 Language “Lickety-split” is an expression that means fast or in a hurry. Can you think of any others? (On the double, make it snappy, pronto, etc.)
- 8 Music A bugle is an instrument in the brass wind family and is very similar to a trumpet except it is shorter and it does not have any valves or keys.
- 9 Biology Wild horses eat grass, but ponies we ride often need other food, too. Hay is grass that has been cut and dried. It is given to stabled ponies who cannot graze or for other ponies during the winter when grass is scarce.
- 9 Writing After finishing this page, based on the author’s descriptions, what do you see, hear, or smell? (Smell hay, see darkness, hear whinnying, etc.)
- 9 Writing Who’s who? Review the characters: Who is Skit? (Nickname for racehorse); Sara (10-year-old friend); Tanner (Sara’s 12-year-old cousin); Charles (Sara’s dad); Fritz (jockey); Earl (Horse trainer); Drew (Earl’s assistant).
- 9 Career A jockey is someone who rides horses in races.
- A horse trainer is someone who takes care of horses and teaches them how to run in races or compete in other equestrian events.



People and Horses

People and horses have lived together for a long time. Wild horses were tamed so they could be ridden for hunting purposes. Horses have developed over thousands of years from animals the size of dogs into the many ponies and horses we see today.

Home on the Kentucky Range

If you love horses, *The Kentucky Horse Park* in Lexington, Kentucky is the place to visit anytime of year!

The park is in the heart of the Bluegrass region of Kentucky. This working horse farm is 1,200 acres (486 hectares) encircled by 30 miles (48 km) of white plank fence. Focusing on the special relationship people and horse share, the park contains twin theaters, two museums, and almost 50 different horse breeds.

Visitors can see “Thou Shalt Fly Without Wings,” filmed on location all over the world. It is an inspiring and emotional feature highlighting the special bond people have with horses.

The park’s *International Museum of the Horse* is the world’s largest horse museum and highlights the 55-million-year history of the horse. A stop at this museum will include exhibits of racing vehicles and a collection of horse-drawn carriages from the 19th century.

Also see the “*Horse in Sport*” gallery to learn about modern day use of the horse in competition. Check out the racing legacy of Lexington’s famous farm, Calumet Farm. See their 560 gold, silver, and crystal

11 Writing



What time of day is it? (Dawn-early in the morning) Who is Tia? (Nickname for Christina) Sometimes people we are close to give us special names to show that they care about us. Do you have a nickname?

12 Vocabulary

An “infirmary” is a place to care for the hurt or sick.

12 Career

Veterinarians are special doctors that take care of animals. Would you like to be a vet when you grow up? Why or why not?

12 Vocabulary

“Sterile” means clean and free of germs.

15 Writing

A synonym is a word that means the same thing as another word. Earl and Drew got “clunked” in the “noggin.” Can you think of other words that would mean the same thing? Examples, hit, clobbered, banged, etc.

16 Medical



Anything that has blood on it or other bodily fluid is disposed of in a special “Bio-Hazardous Waste” container to keep germs from spreading to others.

A concussion is when someone’s brain is injured from being hit in the head.

16 Writing

Based on what has been read so far, which horse do you think was horsenapped?

17 Vocabulary

An “abbreviation” is a shortened form of a word or phrase. V.I.P. is an abbreviation for Very Important People.

18 Landmarks

Can you think of other landmarks for other



Home on the Kentucky Range

(continued)

trophies and 35 paintings of their racing legacy!

Did you know that the American Saddlebred is Kentucky’s only native breed? **The American Saddlebred Museum** highlights the Saddlebred’s historical and contemporary role in America.

The Farrier Shop features blacksmith exhibits. See the craft of iron being pounded into horseshoes, a historical art form.

The Breeds Barn features 24 of the park’s 50 horse breeds. See the Parade of Breeds from March through October. This show presents special characteristics of selected breeds. Riders in authentic costumes put the horses through their paces as well. Visitors can greet and pet the horses after the show.

See living four-footed legends in the **Hall of Champions!** Includes champion Quarter Horses, Thoroughbred superstars, champion American Saddlebreds, and Standardbred Pacers.

The Kentucky Horse Park also has children’s pony rides and horseback riding. Trail rides cover the countryside surrounding the park.

At the **Man o’ War Memorial** and gravesite, you can see the bronze sculpture of the Thoroughbred, learn about his career as one of the greatest racehorses, and compare his remarkable 28-foot stride with your own. Also buried close by is the famous African-American jockey, Isaac Burns Murphy (1861-1896). Murphy’s record still stands as the highest percentage of winning rides.

Grits!

For about 400 years, Americans have been eating grits. The colonists who arrived in Jamestown, Virginia in 1607 were treated to Native American bowls of "rockahominie." This dish consisted of softened maize with salt and animal fat, and was where it all began!

Many say that grits kept families of the South alive during the Depression in the 1930s. This inexpensive yet filling food was also known as "Southern oatmeal." Before the invention of air conditioning, grits could withstand the South's heat and humidity while oatmeal did not fare so well!



Grits are common in the South. They are made from corn kernels, which are turned into hominy. After the hominy is hardened it is ground up into tiny hard pieces—or grits—that are larger than corn meal.

When grits are boiled with water, milk, and butter they cook and look like cream of wheat. Usually, when you hear the word "grits" it refers to hominy grits, but it can indicate any grain ground coarsely—like rice or oats.

In 2002, Grant and Christina's home state of Georgia declared grits as the official state prepared food.

The World Grits Festival is held annually in April in St. George, South Carolina. St. George calls itself the "Grits Capital of the World". They eat more pounds of grits per capita than any other place in the world!

cities? Examples: Eiffel Tower in France, Empire State Building in New York, etc.

20 Feelings Why did Mimi blush? How do you think she was feeling? What makes you feel that way?

21 Food Have you ever had a country breakfast like the one described? People in different cultures and in different parts of the world have their own traditional foods they like to eat.

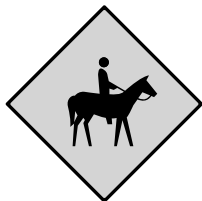


21 Food Can you think of other popular foods made from a pig besides bacon?

24 Math If it is 9:00 a.m. now, how many hours until the Great Steamboat Race starts at 5:00 p.m.? (8 hours)

24 Landmarks Bodies of water in Kentucky include the Mississippi River, Ohio River, Big Sandy River, and Tug Fork.

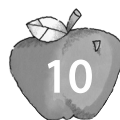
24 Recreation Horseback riding is a popular sport in Kentucky, because of its geography. It has rolling plains and moderate temperatures. Can you think of the geography of other parts of the country and how geography influences their choice of recreation? Example: Surfing in Hawaii.



25 Recreation Mimi has a passion for Ferris wheels. What does this mean? What is your "passion" or hobby?

26 Logic Why are they keeping the horsenapping a secret by not telling the media or news reporters.

27 Writing Was Christina truthful? Why or why not? What would you have done?



- 28 Geography Which states border Kentucky? (Illinois, Indiana, Ohio, West Virginia, Virginia, Tennessee, and Missouri)
- 29 Geometry Geometry is the mathematics of points, lines, surfaces, angles, and solids. Since a circle is 360 degrees, can you imagine how the movie screen looked?
- 30 Sports The famous Louisville slugger baseball bat continued to be made in Louisville until 1974.
- 31 History William Clark lived from 1770-1838. He was an American explorer of the West, part of the famous Lewis and Clark team. He was also a military officer and a public official.
- 31 Sports Can you think of other activities where uniform colors are important?
- 32 Language Mimi used two Spanish words, *bravo* (hurray) and *muy bien* (very good). Can you think of other Spanish words? *Adios, gracias*, etc.
- 33 History Aristides means “the just.” It was also the name of a statesman and general in Ancient Athens.
- 33 Geography What states would you cross if you traveled from Kentucky to Maryland for the Preakness? What if you traveled from Kentucky to New York for the Belmont Stakes?
- 34 Math How long has it been since the last Triple Crown winner in 1978?
- 34 Music Bluegrass is a region of Kentucky. Music by the same name is a type of string style, country



Renowned Racehorses

Seattle Slew

The first and only undefeated Kentucky Derby and Triple Crown Winner. He won the Kentucky Derby, Preakness, Belmont, Champagne, Flamingo, Wood Memorial, Marlboro Cup (over Affirmed), and Woodward. After a season of four years, he retired with 14 wins in 17 starts. He had \$41,208,726 in earnings, winning a championship each year. In 1977 he was Horse of the Year. All this from a horse purchased as a yearling for only \$17,500.

Secretariat

In the early 1970s, when horse racing was in need of a hero, he gave racing a boost with good looks, great personality, and amazing racing ability reminiscent of Citation or Man o' War. At the 1973 Derby, Secretariat's time was less than 2 minutes, the first and only time in Derby history. His record was 1:59-2/5.


Citation

He may be the greatest American racehorse, though his career ended in losses. When he retired in the middle of 1951, he was at that time the first and only earnings millionaire horse.

Whirlaway

Appropriately named, he was an amazing horse that many considered crazy, taking wild trips around the racetrack. On May 3, 1941, he won the Kentucky Derby by eight lengths. For the race, his trainer devised a special blinker with a clear view on his left side but not on the right. Whirlaway's career was on a roll from then on. In 1942, for the second year in a row, he was Horse of the Year. He was the first Thoroughbred to make

music. What kind of music do you like?

- 35 Life What makes you sleepy? Examples: Reading, watching TV, riding in a car on a trip, etc.
- 37 Science A waterfall is formed wherever a river drops over the edge of hard rock on the surface of the earth.
- 39 Math If a mile is 5,280 feet, how many feet is 2 miles? (10,560 feet)
- 39 Geography  The highest point of Kentucky is Black Mountain which is 4,145 feet (1,263 meters) above sea level. The lowest point is on the Mississippi River 257 feet (78 meters) above sea level.
- 39 Geography A rapid is a very fast moving part of a river. It is caused by a steep drop in a riverbed.
- 40 Vocabulary A “facade” of a building is the outside, face of the building, usually in the front of the building.
- 40 Museums There are many types of museums like natural history, art, science, and more. What type do you like to visit?
- 43 Geography Look at the globe. See how all the continents look like puzzle pieces that can be fit together?
- 44 Career A paleontologist is someone who studies fossils.
- 45 Math The first settlers came to Kentucky in the 1770s. About how many years have passed since 1770?
- 48 Family Grant and Christina enjoy traveling and spending time with Papa and Mimi. Are there special things you like to do with



Renowned Racehorses

(continued)

career earnings of \$500,000 when his four-year-old season ended.



War Admiral

He was son of Man o’ War and a Triple Crown Winner. He became well known for his match race against Seabiscuit. War Admiral retired with an amazing career record of 21-for-26 and \$273,240 in earnings.


Man o’ War

This horse set the standard of greatness for horseracing. His owner never let Man o’ War race in the Kentucky Derby, not believing that 3-year olds were prepared to go 10 furlongs in Kentucky in May. Man o’ War’s lifetime record was 21 starts and 20 wins and one second place finish. When he retired, he was the top money winner in the U.S. for his time. Man o’ War set eight records—three world records, two American records, and three track records. He broke most of those records by several seconds. He was such a threat to his competitors that he was handicapped by as much as 138 added pounds, and still won by large margins.

Famous Man o’ War Offspring:

War Admiral, Crusader, American Flag, Bateau, Mars, Maid at Arms, Clyde Van Dusen, War Relic, and Battleship. Battleship was said to be too small to be good at jumping, and he won the Grand National Steeplechase at Aintree, England anyway. A recent movie was made about Man o’ War’s famous underdog grandson, Seabiscuit. Oddly enough, his match-race competitor was the famous War Admiral, Triple Crown winner and also a Man o’ War son!

your family and friends?


- 49 Science Diesel is a type of fuel used by diesel engines.
- 49 Vocabulary To “sabotage” means to deliberately hinder or defeat someone’s efforts.
- 50 Math How many minutes is 1 1/2 hours? (90 minutes)
How many seconds is it? (5400 seconds)
- 52 Vocabulary “Descend” means to go down or lower.
- 53 Vocabulary To “taunt” means to tease or mock.
- 55 Mythology In Greek mythology, Pegasus was a horse with wings. Pegasus is also a constellation of stars.
- 55 Writing  “A bazillion Pegasus Pins” is an exaggeration to show how pins seemed to be on the man’s overalls. Make up a sentence using an exaggeration to emphasize your point.
- 58 Writing What were the clues Grant found earlier? (Piece of paper said to bring Polaroid photo of the horse and sunflower seeds were on the ground.)
- 60 Safety What do you think Papa and Mimi would say if they knew about the strange men?
- 66 Language A simile uses the words “like” and “as” to describe two unrelated things. Fog “thick as pea soup” is a simile. Can you think of another simile to describe a very, foggy morning?
- 67 Language Personification is when things are described as if they are people. Can you find the examples of personification on this page? Ex: Biscuits threw

Kentucky Fun Facts

Total population of the state is 4,041,769.

State Gemstone of Kentucky is the freshwater pearl. These pearls are harvested from mussels found in the lakes of western Kentucky.

A Fast Food First!

In 1934, cheeseburgers were first served at Kaelin’s in Louisville, Kentucky. 

Mammoth Cave, the world’s longest cave, was first advertised in 1816. That makes it the second oldest U.S. tourist attraction, preceded only by Niagara Falls.

They Saw the Light First!

Thomas Edison introduced his light bulb in 1883 at the Southern Exposition in Louisville.

Out of this World!

Middlesboro, Kentucky is the only U.S. city built within a meteor crater!



Kentucky Loves Mom!

The first time Mother’s Day was observed was in Henderson, Kentucky in 1887. It was started by teacher Mary S. Wilson. Later, Mother’s Day became a national holiday in 1916.

The **Jif** plant in Lexington, Kentucky is reportedly the world’s largest peanut butter factory!

The **Kentucky coffee tree** was the official state tree of Kentucky until 1994. Early Kentucky settlers made a coffee-like drink by brewing its seeds. This is how the tree, which grows as high as 100 feet (31 meters), got its name!



- the covers off.
- 69 **Education**  History—Study of past events; Paleontology—Study of fossils; Geology—study of the earth and its origins. Can you think of other school subjects and what they cover?
- 69 **Vocabulary** “Equestrian” deals with horseback riding.
- 70 **Logic** What are some reasons a rider may need to dismount quickly? Use your imagination.
- 75 **History** Most cowboys were around 24 years old. Many were African American or Mexican and only earned \$30 per month.
- 75 **History**  *The Lone Ranger* was a popular television cowboy . He had a Native American partner named *Tonto*. The Lone Ranger rode a white horse named Silver. Before he took off he would say, “Hiyo, Silver! Away!”
- 83 **Sports** What other sports require special equipment to play?
- 87 **Feelings** What might cause Christina to feel nervous about getting up on a horse?
- 90 **Math** If a hand is four inches (10 centimeters), how many inches is 14 hands? (56 inches or 140 centimeters)
- 93 **Vocabulary** A “thoroughbred” is not just a specific breed of horses, it also refers to a well-bred person.
- 94 **Books** What do you like to read? Do you have a favorite type of book like science fiction or

Derby Tidbits

Hats Off!

The first Saturday of May kicks off the most fun parade—second to the Kentucky Derby’s Post Parade—the hat parade of Churchill Downs! You can see all kinds of wild and crazy hats; there are no rules and no limits!



Downs Infield

Like a huge family reunion, 80,000 fans attend this gathering as a first rite of spring. The 40-acre (16.2 - hectare) Churchill Downs infield has been popular since the first Kentucky Derby in 1875.

Steeplechasing

Steeplechases are horse races over closed turf courses that include jumping obstacles; today those obstacles are mostly brush fences. Churchill Downs’ first steeplechase racing event was May 18, 1882. The course consisted of stonewalls, water jumps, and hurdles.

The Churchill Downs Infield—Airfield!

In 1910, legendary aviator, Glenn Curtiss made the first recorded flight in Kentucky from the infield. Curtiss, who later founded Curtiss-Wright Aviation, had the plane shipped in by freight train from Louisville. He then assembled it in the infield, lifted off, and flew above the track at 60 miles (97 kilometers) per hour.



Churchill Potatoes for the Red Cross

In the spring of 1918, during World War I, there was a large shortage of potatoes. The racetracks’



(continued)



mystery books?

- 95 Vocabulary “Skittish” means antsy or nervous.
- 101 Career A journalist is someone who collects and writes news for newspapers or magazines.
- 105 Writing How does the author create excitement as the kids follow the bad guys?
- 115 Vocabulary “Congested” means crowded or stopped up.
- 115 Writing A pun is a play on words.
- 115 Math If a line is five miles long, how many kilometers is it? Hint: One mile is 1.61 kilometers. (8.05 km)
- 120 Feelings How do you handle disappointment?
- 128 Tradition Gentlemen removing their hats is a way of showing respect.

Be sure to read Carole Marsh Mystery #16
The Ghost of the Grand Canyon



Derby Tidbits

(continued)

infield was used to grow a crop which was later sold. The money gained was given to the Red Cross.



Royal Derby

Churchill Downs is a direct descendent of England's Epsom Derby. As such, it has hosted British Royalty for running of the Kentucky Derby.

In 1930, Edward George Villiers Stanley, the 17th Earl of Derby, was the first English nobleman to visit Churchill Downs. The term 'Derby' was derived from his family name. He is famous for saying, "You have a great many advantages I should like to copy for England."

In 1951, the Duke of Windsor attended the Derby.

In 1974 Her Royal Highness, Princess Margaret, and her husband Lord Snowden attended the 100th running of the Derby. Princess Margaret, who is Queen Elizabeth's sister, took part in the trophy presentation.

Derby Trophy

The present-day trophy was designed by George Lewis Graff for Lemon & Son Jewelers of Louisville. It is a cup with a horse and rider on top. The trophy is 22 inches (56 centimeters) tall and weighs 56 ounces (1588 grams), excluding the marble base. Over 60 years ago, the trophy was valued at \$5,000, but it now exceeds \$60,000 in value. To celebrate the 125th Kentucky Derby in 1999, the trophy was spruced up with diamonds, rubies, and emeralds!



Discussion Questions

- ❖ Laws are made to protect people, places, and things. In some states, some types of gambling are against the law. Why do you think there are laws against gambling in some places?
- ❖ The city of Louisville is tearing up the soccer fields and rugby fields of the Eva Bandman Park to a nature conservation area for the city zoo. Why do you think this is necessary? How can cities and towns take good care of people and their environment?
- ❖ How do you think the Native Americans felt when the first Europeans arrived?
- ❖ If you visited Louisville, what would you want to do there? Go hiking, horseback riding, or visit the amusement parks or the zoo?
- ❖ Kentucky is also famous for its underground caves. Can you imagine being a prehistoric person living in one of these caves?
- ❖ Racehorses have short careers. They are born, trained for racing, and for many of them, at the age of 3 their careers are over. How does this compare with the education and preparation humans require for their careers?
- ❖ Discuss the creative names of racehorses. How does a horse get its name? If you had a racehorse, what would you name it?
- ❖ Jockeys have to be a certain height and a certain weight, do you know of other careers where size is important? What are careers where size does not matter?



Kentucky's Native American History

Kentucky was a land great for hunting. There were lots of birds, animals, and fish. Surrounding this hunting ground were Native American settlements consisting of five Native American nations. They were Cherokee, Chickasaw, Wyandot, Delaware, and Shawnee.

These nations shared the hunting land for food and made an agreement not to settle on this land.

Kentucky Horses

Kentucky has had a love for thoroughbred raising and racing for more than two centuries. The river valleys and grasslands are perfect for grazing horses. In 1706, the first Thoroughbreds were imported from England.

The first horse races were just private contests between owners. In Great Britain, it was an official sport. The British coming to America brought with them their passion for professional horse racing.

It was not long before racehorse owners learned that horses raised in Kentucky were faster and stronger. Horse ranches soon sprang up all over central Kentucky.

Lexington and its surrounding areas are home to the most famous and concentrated horse-breeding grounds in the world. The American Stud Book has been entrusted to Lexington.

(continued)

Geography: Find It!

*“Kentucky is neither southern, northern, eastern, western
It is the core of America
If these United States can be called a body
Kentucky is its heart”*

Jesse Stuart

1. Compare the state of Georgia (where Christina and Grant live) with the state of Kentucky. What are some of the similarities these states share? What are some of their differences?
2. Draw a map of a horse farm. What does it include for racehorses like Dangerous Intersection?
3. Make a list of geographical benefits that Louisville would provide for our family. Describe where you would like to live in Louisville. Talk about the disadvantages of this location and what you would miss most about where you live now.
4. Draw a map of Kentucky and use blue yarn to show where various rivers flow through the state. Be sure to include names of the larger cities in Kentucky.
5. Construct a model of the Bluegrass Region of Kentucky. This area has gently rolling hills covered with bluegrass. The Mississippi Plateau is below the Bluegrass Region and reaches to the border of Tennessee.
6. Draw your own version of the Louisville Zoo. Layout where various animals may be found as well as roads and walkways through the zoo.



Kentucky Horses

(continued)

Of all Kentucky Derby winners, more than 75% were born and bred in Kentucky. The first six winners of the Derby were Kentucky born, and eight out of 11 Triple Crown Winners were, too.

Kentucky is also famous for Saddlebreds, the state's only native breed. Celebrity horses Mr. Ed and Fury are famous American Saddlebreds!

By 1776, the 'American Horse' (what is known as the Saddlebred today) was recognized as a definite type—an all-purpose riding horse. They had the stamina and easy gaits of the Narraganset Pacer with the size and quality of a Thoroughbred.

Pioneers of the west rode American Horses. The horses were a major contribution in the settlement of the upper Ohio Valley.

In 1817, the first horse show was documented in Lexington, Kentucky.

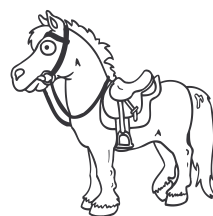
During the Civil War (1861-1865), the American Saddle Horse became famous. Many Generals were mounted on them. Lee rode Traveller, Grant rode Cincinnati, Sherman rode Lexington, and Stonewall Jackson rode Little Sorrell.



Since most Confederate horses were privately owned, at Lee's surrender Grant ordered that they be spared. This move is said to have possibly saved the breed!

Mathematics: Calculate It!

1. A budget is a list of expenses. Total this budget for the Kentucky Derby mystery trip. \$1000–airfare, \$400–meals, \$900–lodging, \$200–attractions, \$75–souvenirs.
2. Mr. Sunflower Overalls has 35 Pegasus Pins on his suspenders. He loses 7 trying to catch the kids, how many does he have left?
3. Kentucky's General Assembly meets on the first Tuesday in January in even numbered years. When will the next General Assembly meet again?
4. Aristides was the racehorse who won the first Kentucky Derby in 1875. How long ago was this race won?
5. Total precipitation for Kentucky on average is 47 inches. How many centimeters is this if 1 inch equals 2.54 centimeters?
6. If a stable with four ponies requires 2 bales of hay per pony, how many bales of hay are needed?
7. If Sara starts riding at 7:30 a.m. and stops at 10:15 a.m., how long did she ride?
8. The city of Paducah has 26,307 people; Bowling Green has 49,296. How many more people does the larger city have than the smaller city?



Horses Put People to Work!

In 1987, the American Horse Council Foundation did a Kentucky equine population census, and here's what they found:

1. Quarter horses (36,000)
2. Thoroughbreds (32,000)
3. Arabians
4. Saddlebreds
5. Standardbreds



A 1996 study prepared for the same foundation gives us more information about the horse industry in Kentucky:

- The state horse industry makes \$1.2 billion in goods and services a year.
- About 128,800 Kentuckians are horse owners, service providers, employees, and volunteers. This total includes 16,600 full-time job equivalents.
- Out of 150,000 active horses, 67,000 were used for racing, 37,000 were for recreation, 32,000 for showing, and 15,000 for other uses.
- Kentucky's Thoroughbred industry is the biggest in the nation.
- Kentucky equine sales totaled \$650 million.
- This total sales figure, mostly thoroughbreds, accounted for 37% of the country's sales and was more than any other state.
- Florida came in second place with \$111.6 million. Texas came in third with \$90 million.
- California and Virginia tied for fourth place, each with \$60 million.

1. Pretend you are a pony who lives with Lickety-split. Write a story from the pony's point of view.
2. Who was your favorite character in the mystery book? Why? In what ways would you like to be like that person?
3. Write a fictional story about something exciting, mysterious, or scary that happens at the Kentucky Derby.
4. What is the conflict in this mystery? What is the plot? What is the resolution?
5. Write three diary entries from the perspective of Tanner or Sara. Are you glad your visitors came? What do you think about the missing horse?
6. What is a glossary, and why is it important for the reader? Write down a list of words you didn't know in the mystery. Make your own glossary and define each of these words.
7. Write an ode to Lickety-split or to Dangerous Intersection that is either silly or serious.
8. Write a new ending for the last chapter of the mystery.



Great Books for Kids

Little Freddie at the Kentucky Derby

by Kathryn Cocquyt

Kentucky Derby Champion

by Mildred Mastin Pace

Gaston Goes to the Kentucky Derby

by James Rice

The Black Stallion

by Walter Farley, the first in a series of more than 10 Black Stallion books

Misty of Chincoteague

by Marguerite Henry, the first in a series of related Chincoteague pony stories

Horse Photographs

by Michael Eastman

Sheltie Rides to Win

by Peter Clover

Fritz and the Beautiful Horses

by Jan Brett

Draw 50 Horses

by Lee J. Ames

My Horse Coloring Book

by John Green

The Girl Who Loved Wild Horses

by Paul Globe

How to Draw Horses

by Lucy Smith

The Runaway Racehorse

by John Steven Gurney

Billy And Blaze : A Boy And His Pony

by C.W. Anderson, the first book is a series of several books about Blaze the pony



Vocabulary: Spell It!

Study the words below. All of them are taken from the mystery book. Fold the page in half and take a spelling test! Check your work, and study the words you miss! Look up each word in the dictionary and write its definition on a separate piece of paper.

THOROUGHBRED _____

BRIDLE _____

JODHPURS _____

LOUISVILLE _____

PALEONTOLOGIST _____

WHINNY _____

MUSEUM _____

FOAL _____

PEGASUS _____

DANGEROUS _____

GALLOP _____

FESTIVAL _____

DRESSAGE _____

ARABIAN _____

SILHOUETTE _____

SUSPICIOUS _____

PENETRATE _____

CURIOUS _____

ENGINEER _____

LEATHER _____



Neat Kentucky Places to Visit

Old Kentucky Candies

Tour the candy factory and sample things like Kentucky Derby Mints right off the assembly line! See huge slabs of fudge and candy cooling before being cut.

450 Southland Drive
Lexington, KY 40503
800-786-0579



Colonel Harland Sanders Museum, KFC International Headquarters

See an old-style, black and white movie called Portrait of a Legend, which shows how Sanders held many jobs to support his family—streetcar conductor, justice of the peace, automobile mechanic, and cook. Rare photos and his original chicken fryer are on display.

1441 Gardiner Lane
Louisville, KY 40213
502-456-8300/502-456-8353



Hillerich & Bradsby Louisville Slugger Museum

The Louisville Slugger bat was created in 1884 by Bud Hillerich. It has since been called, "one of the greatest original American products ever made." See the actual bats of Lou Gehrig, Joe DiMaggio, Ty Cobb, and the bat that Babe Ruth used during his 1927 record setting season.

Choose a famous pitcher to pitch you a ball at 90 miles (145 km) per hour in the Orioles Park replica. Free 16-inch (41 cm) miniature wood bat.

800 West Main Street
Louisville, KY 40202
502-588-7228



Art: Create It!

1. What is a fossil? A fossil is created when parts of living things like bones, leaves, or sea creatures are preserved in rock. Here's how to create a fossil of a leaf or shell:

Materials

- Foil pie pan
- Clay
- Leaf or shell
- Plaster of Paris

- Flatten clay by rolling it out.
- Take a leaf or shell and press it into the clay, then gently remove the leaf or shell.
- Place clay, imprint side up in the pie pan.
- Pour Plaster of Paris on top then allow it to dry.
- Remove clay to see your very own fossil!

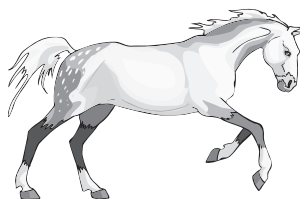
2. Use a shoebox to make a horse farm or racetrack diorama. You can make your own horses out of construction paper or add plastic horses.



3. Make a horse sock puppet. Add wiggly eyes, a button nose, and yarn for the mane.

4. Be a champion jockey and design your own medal using a paper plate, ribbon, and paint.

5. Sketch a portrait of your favorite horse from the mystery.



6. Make your own Derby Day hat. Take a brown paper bag and roll down the top until it's the desired height. Decorate with buttons, feathers, stickers, yarn, ribbon, cut-outs, or whatever tickles your fancy.



Kentucky Fun Food Facts!

Moo!

The first purebred Hereford was imported to America in 1817 by Henry Clay.



Eat Your Veggies

Jack Bibb first cultivated Bibb lettuce in Kentucky in the late 19th century. Bibb lettuce is also known as limestone lettuce because of the limestone found in the Kentucky soil in which it was first grown.

Bourbon County

Bourbon whiskey is named after Bourbon County, Kentucky. It was first made there late in the 18th century.

Kentucky Ham

Traditionally, Kentucky hams were made from Hampshire hogs. The hogs are fattened with acorns, beans, and clover. During their final weeks, they only eat grain.

It is probable that the original Smithfield Hams were made from Hampshire hogs. Hampshire hogs, imported from England late in the 1820s, have thin rinds. This breed was chosen because they were hearty and could forage for food well on their own.

Kentucky Hot Brown Sandwich

This popular sandwich was first created in 1923 at the Brown Hotel in Louisville, Kentucky by Chef Fred Schmidt. It is made of turkey, covered with Mornay sauce and Parmesan cheese on toast, browned under the broiler and topped with bacon.

Kentucky's Famous Fried Chicken

Considered a late bloomer by some, Harland Sanders born in 1890 opened his first restaurant in 1929 called Sanders' Café. In 1935, the governor of Kentucky made him an honorary colonel.

Colonel Sanders had more than 600 fried chicken restaurants by 1964 and became well known for his secret recipe. The Colonel's "finger lickin' good" chicken used 11 secret herbs and spices and was cooked in a pressure cooker.

In 1964 he sold the company for \$2,000,000 and a lifetime salary of \$40,000 and a board of directors' seat. Harland Sanders continued to be an active spokesman for the company until he died in 1980.

Fried Chicken Nuggets

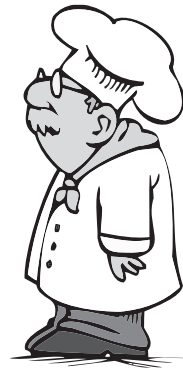
Makes 6 servings

Ingredients

- 2 skinless, boneless chicken breasts, cut into 1-inch chunks*
- 4 teaspoons paprika*
- 2 teaspoons salt*
- 1 cup flour*
- 1/4 cup sesame seeds*
- Black pepper, garlic pepper, and salt to taste*
- Vegetable oil*

Directions

1. Mix all ingredients except oil in a plastic bag.
2. Coat chicken chunks by shaking in flour mixture.
3. Heat oil and fry nuggets until brown.
4. Drain on paper towels.
5. Serve and eat!



Kentucky Derby Pie

Ingredients:

- 1/4 c. (one stick) butter, melted
- 1 c. sugar
- 2 eggs, beaten slightly
- 1 tsp. Vanilla
- 1/2 c. all-purpose flour
- 2/3 c. chopped pecans
- 3/4 c. chocolate chips
- 9-inch pie crust



Directions:

1. Preheat oven to 350 degrees.
2. Mix all ingredients together.
3. Pour into the pie crust.
4. Bake for 40-45 minutes.
5. Enjoy!

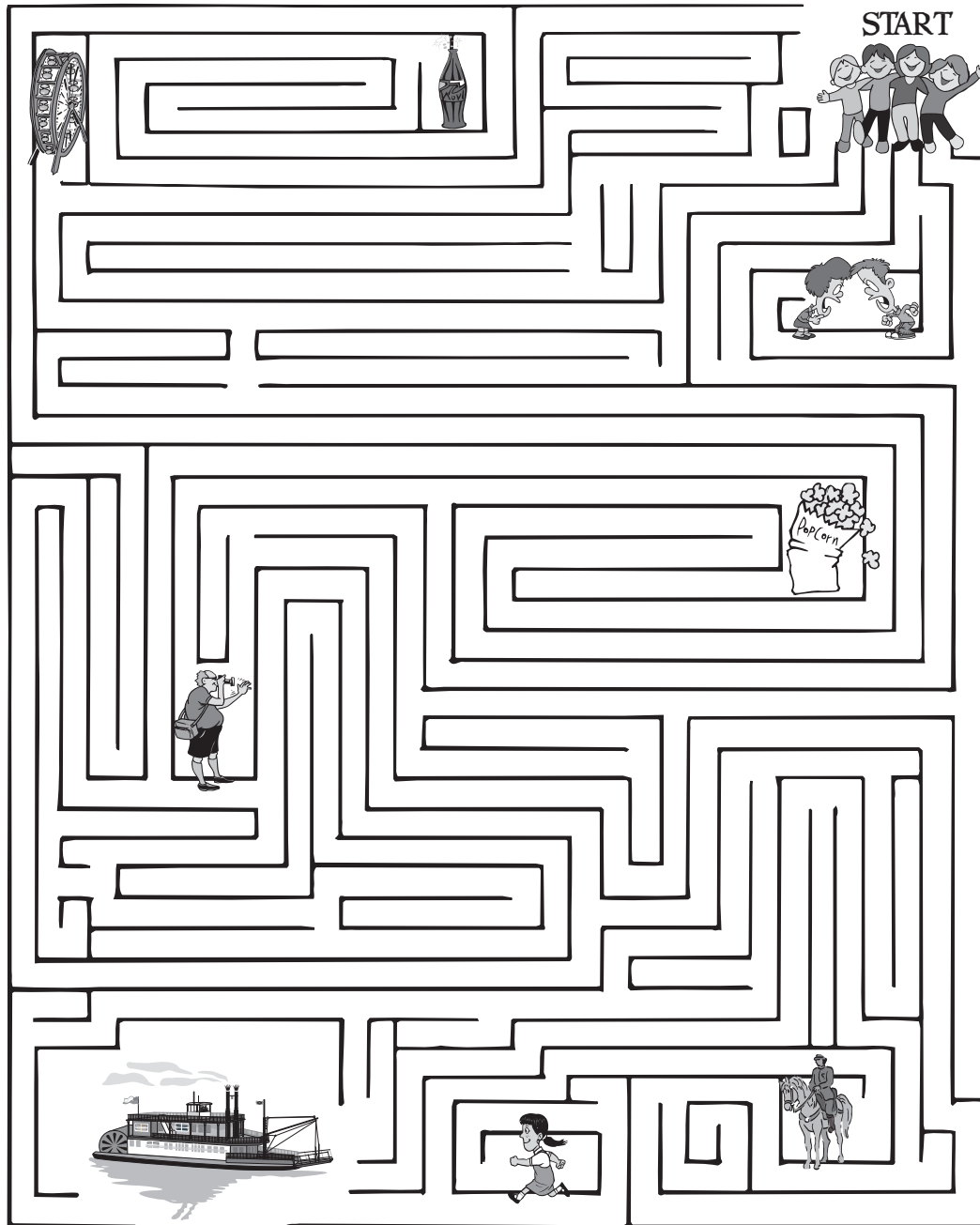


NOTE: The preparation of all dishes should be carried out with the supervision of an adult.

The Mystery at the Kentucky Derby Maze



Help Christina, Grant, Tanner, and Sara get from the Ferris Wheel to the shore of the Ohio River to catch the Great Steamboat Race Winner!



START

FINISH



The Mystery at the Kentucky Derby Pair Up



Match the words on the left with the correct words on the right!



SUNFLOWER

WEEK

AMERICAN

SEA

NATIONAL

SEEDS

PEGASUS

WHEEL

DANGEROUS

SHETLAND

HOT

FARM

FERRIS

PARADE

CARIBBEAN

CHOCOLATE

DERBY

INTERSECTION

HORSE

ANTHEM

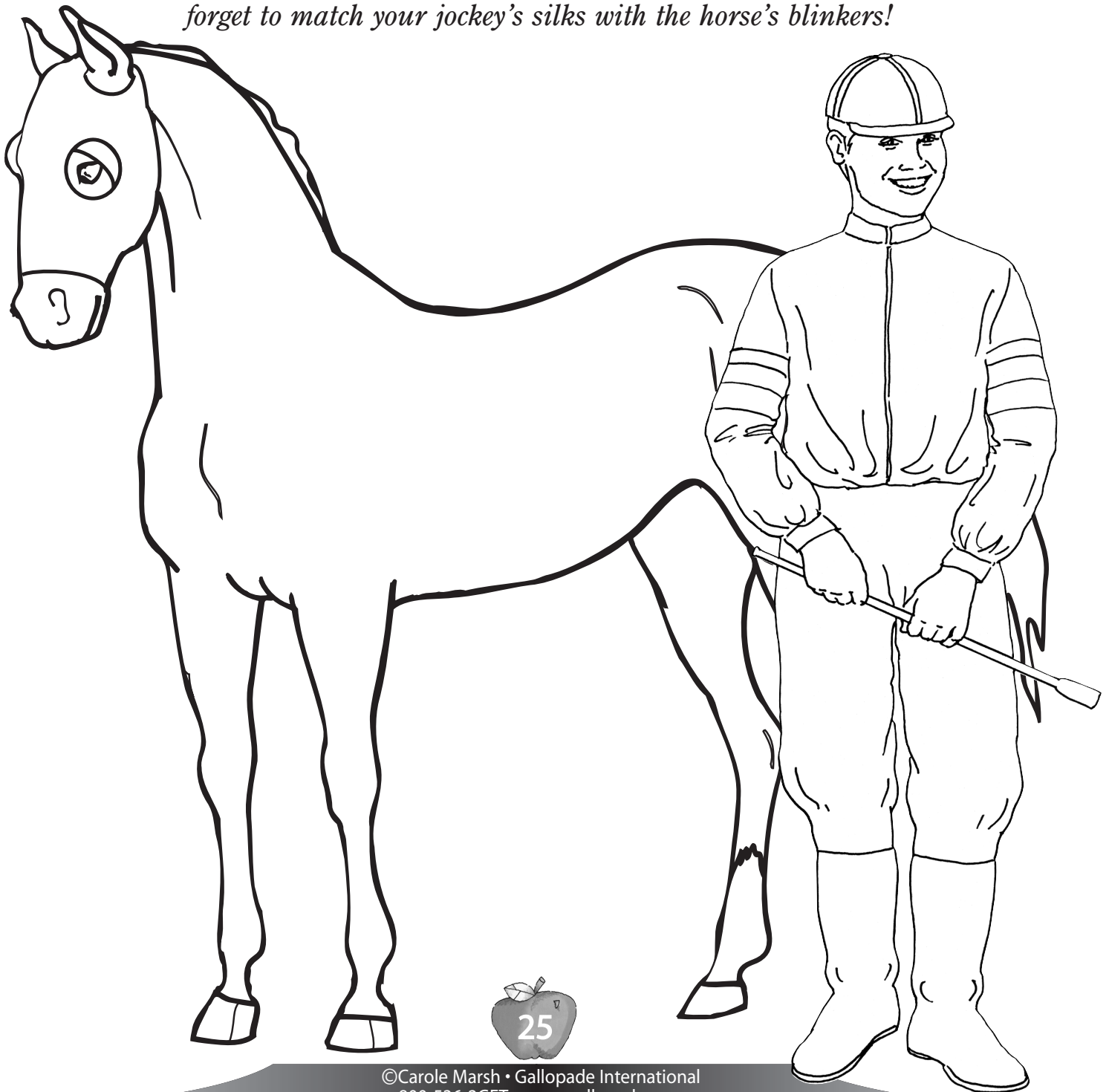




A Horse of a Different Color



Most stables or owners have their own “colors.” These make it easier to recognize individual horses during fast-paced races. These brightly colored “silks” are usually decorated with a geometric pattern. Use the outlines here to design and color your own stable’s silks. Don’t forget to match your jockey’s silks with the horse’s blinkers!



The Mystery at the Kentucky Derby Clue Scramble



Unscramble the words below to find the mystery clues!

1. RADNEG _____

2. COJKYE _____



3. KUTNECYK _____

4. STNOR _____

5. FILOSS _____



6. RNTUHDE _____

7. BATMOEAST _____

8. DDLEAS _____



9. RLCAK _____



10. OFEFEC _____

11. NURHARIEC _____

12. HYA _____

The Mystery at the Kentucky Derby Word Search



Search for the mysteriously hidden words below!

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

CHICKEN

HAY

LOUISVILLE

OVERALLS

RANSOM

TROT

CLUE

HORSENAIP

MUSEUM

PEGASUS

SLUSHY

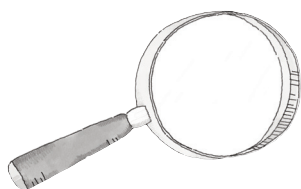
FOSSILS

KENTUCKY

MYSTERY

PONY

TACK



The Mystery at the Kentucky Derby

Fill-in-the-Blank



Fill in the blanks to answer the questions.

1. Louisville, Kentucky is famous for this event.

T _ _ _ _ _ E N _ _ _ _ _ K Y _ _ _ E _ _ _ _ _ Y

2. The nickname for Dangerous Intersection:

_ _ _ _ _ T



3. Nickname for the Kentucky Derby is:

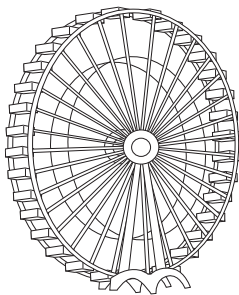
T _ _ _ E _ _ _ U _ _ _ F _ _ _ R _ _ _ H _ _ _
R _ _ _ S _ _ _ _ _

4. Race that took place in the Ohio River:

T _ _ _ E G _ _ _ E A _ _ _
S _ _ _ _ _ A M _ _ _ O _ _ _ T R _ _ _ C _ _ _

5. Mimi has a passion for riding these:

_ _ _ E _ _ _ _ _ I _ _ _ W _ _ _ E _ _ _ _ _ S



6. The kids saw fossils here:

_ _ _ U _ _ _ E _ _ _ _ _

7. Keeps horse's back free from irritation:

S _ _ _ _ _ D _ _ _ E _ _ _ A _ _ _



The Mystery at the Kentucky Derby Matching Characters



Match these mystery characters with their descriptions!

- | | |
|--------------|-------------------------------------|
| 1. Mimi | A. Found the first clue |
| 2. Tanner | B. Taught everyone about horse tack |
| 3. Grant | C. Mystery writer |
| 4. Papa | D. 12-year old cousin of Sara |
| 5. Christina | E. Helped Mimi quiz the kids |
| 6. Sara | F. Felt nervous getting on horse |



The Mystery at the Kentucky Derby Quiz



Find the "Derby" vocabulary using the clues below.

1. The equipment needed to ride a horse safely:

2. The high-pitched sound horses make:

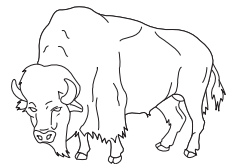
3. Dangerous Intersection is this type of horse:

4. Famous team of frontier explorers mentioned in the mystery:

5. The type of engine the *Delta Queen* has:

6. Displayed a movie on a 360 degree, wrap-around screen:

7. People who take hides from animals like cattle, bison, and other big animals.



8. Someone who donates a large amount of money to a charity.



The Mystery at the Kentucky Derby True or False



Mark each statement true or false.

Can you replace the word that is false in each statement?

- ___ 1. A gallop is a horse's speed that is slightly faster than walking.
- ___ 2. A male horse that is four years old or older is called a stallion.
- ___ 3. The family saw the horses race while they rode the ferris wheel.
- ___ 4. Papa and Mimi enjoyed their big, country breakfast.
- ___ 5. Mimi bought a bunch of books while visiting the Kentucky Derby Museum.
- ___ 6. A colt is a female horse that is four years old or older.
- ___ 7. A foal is a baby horse under one year old.
- ___ 8. Locks are water elevators that raise and lower boats in rivers.
- ___ 9. Jodhpurs are special riding pants with the seat removed.
- ___ 10. Bluegrass is a type of grass and a type of country music.



Answer Key...

to The Mystery at the Kentucky Derby Activities



Math Activities

1. \$2,575 budget; 2. 28 pins; 3. Depends on current year; 4. Depends on current year; 5.119.38 cm of precipitation; 6. 8 bales of hay; 7. 2 hours, 45 minutes of riding; 8. 22,989 people

The Mystery at the Kentucky Derby Pair Up

SUNFLOWER SEEDS, NATIONAL ANTHEM, DERBY WEEK, AMERICAN SHETLAND, CARIBBEAN SEA, PEGASUS PARADE, HORSE FARM, HOT CHOCOLATE, FERRIS WHEEL, DANGEROUS INTERSECTION

The Mystery at the Kentucky Derby Clue Scramble

1. DANGER; 2. JOCKEY; 3. KENTUCKY; 4. SNORT; 5. FOSSIL; 6. THUNDER; 7. STEAMBOAT; 8. SADDLE; 9. CLARK; 10. COFFEE; 11. HURRICANE; 12. HAY

The Mystery at the Kentucky Derby Fill-in-the-Blank

1. THE KENTUCKY DERBY; 2. SKIT; 3. THE RUN FOR THE ROSES; 4. THE GREAT STEAMBOAT RACE; 5. FERRIS WHEELS; 6. MUSEUM; 7. SADDLE PAD

The Mystery at the Kentucky Derby Matching Characters

1. C; 2. D; 3. A; 4. E; 5. F; 6. B

The Mystery at the Kentucky Derby Quiz

1. TACK; 2. WHINNY; 3. THOROUGHBRED; 4. LEWIS AND CLARK; 5. DIESEL; 6. KENTUCKY DERBY MUSEUM; 7. TANNERS; 8. PHILANTHROPIST

The Mystery at the Kentucky Derby True or False?

1. F - TROT; 2. T; 3. F - STEAMBOATS; 4. T; 5. T; 6. F - MARE; 7. T; 8. T; 9. F - CHAPS; 10. T

