

MORE ACTIVITY  
PAGES ONLINE

Go to the **SECRET JUNGLE** for subscribers only!

**SECRET JUNGLE**  
at  
**zoobooks.com**

Click on the **Secret Jungle**, then enter your secret password (shown at far right).

That's where you'll find more fun activities like these to print or download.

Plus you'll find:

- Interactive games
- 50 pictures, poems and stories from kids like you
- **ZooTube** animal video

**Would you like to see your work published in Zoobooks?**

Here's what to do: By *March 10th, 2011*, we want to see your *original* poem, story, or drawing on "**Wild Horses.**"

Stories must be less than 100 words; drawings can use color or black ink but must be on solid white paper.

**Please mail them to:**

Kids Zooworks  
P.O. Box 712769  
Santee, California  
92072-2769

**Include your name, age, and address.**

**If your work is printed in the magazine, you will win a FREE one-year extension on your Zoobooks subscription!**

Sorry, your work cannot be returned, and becomes the property of Wildlife Education, Ltd. If you would like acknowledgement that your entry was received, please enclose a self-addressed stamped envelope.



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# Zoobooks Tear-Out RHINOS ACTIVITIES

**SECRET JUNGLE**  
Password is...

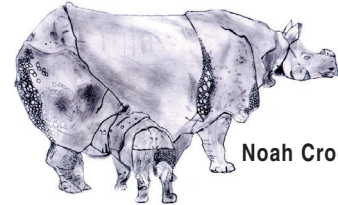
**horn**

Be sure to look here every month for the new secret password.

## Kids ZooWorks®

I have three horns and gray skin.  
Me versus a horse? Well, I'd win.  
I charge a lot 'cause my eyes aren't good  
Oh my two eyes don't work as they should.  
I chase my child away when I have another.  
What am I? I'm a rhino mother!

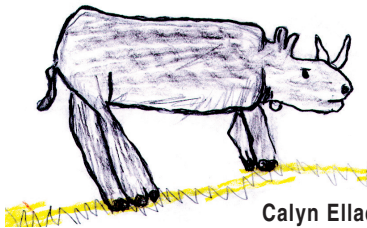
Erienne Kinch, age 11



Noah Crockette, age 11



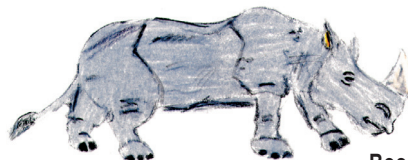
Michaela Arnold, age 12



Calyn Ellacer, age 7

A rhino is running along, stopping at place to place, eating plants and trying to catch up with the others. Putting his head up with his horns, standing proud with his short stubby little legs. Moving so fast with such a big amount of weight, that he had to stop to get a drink.

Jake Ayotte, age 10



Becky Vega, age 10

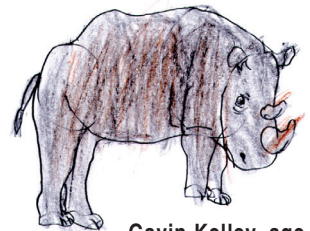
Once a rhino went to a restaurant called the Dine-O. When the rhino came into the Dine-O, a waitress asked, "Why have you come here? Don't you know that rhinos aren't allowed here at the Dine-O?"

The rhino paused. He said, "But I am not just any old rhino. I am a talking rhino!"

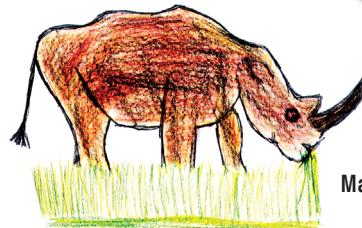
The waitress paused. The rhino said again, "Why can't I come to Dine-O? I love the Dine-O for I am a rhino. So why can't I come? For I'm only a rhino."

Do you think the waitress let the rhino in the Dine-O?

Alise Mahnke, age 10

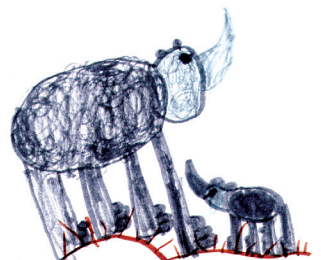


Gavin Kelley, age 8



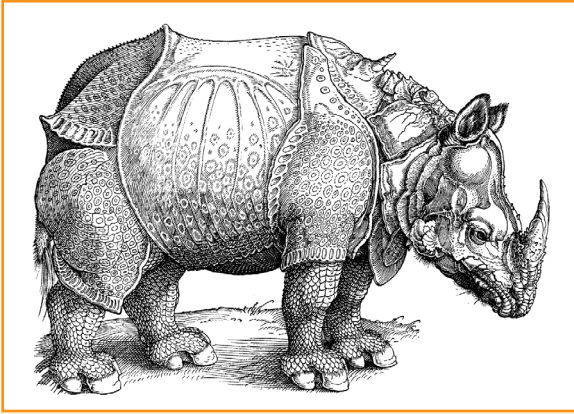
Maddie Geesen, age 12

Ethan Smith, age 6



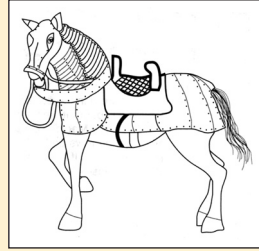
**See More Online!** Lots more stories, poems, and drawings from kids like you — maybe even yours! — are on our website. More activity pages, too—plus lots of games and a live animal link! Just use your secret password above!

# Armored Rhinos



Rhinoceros by Albrecht Dürer

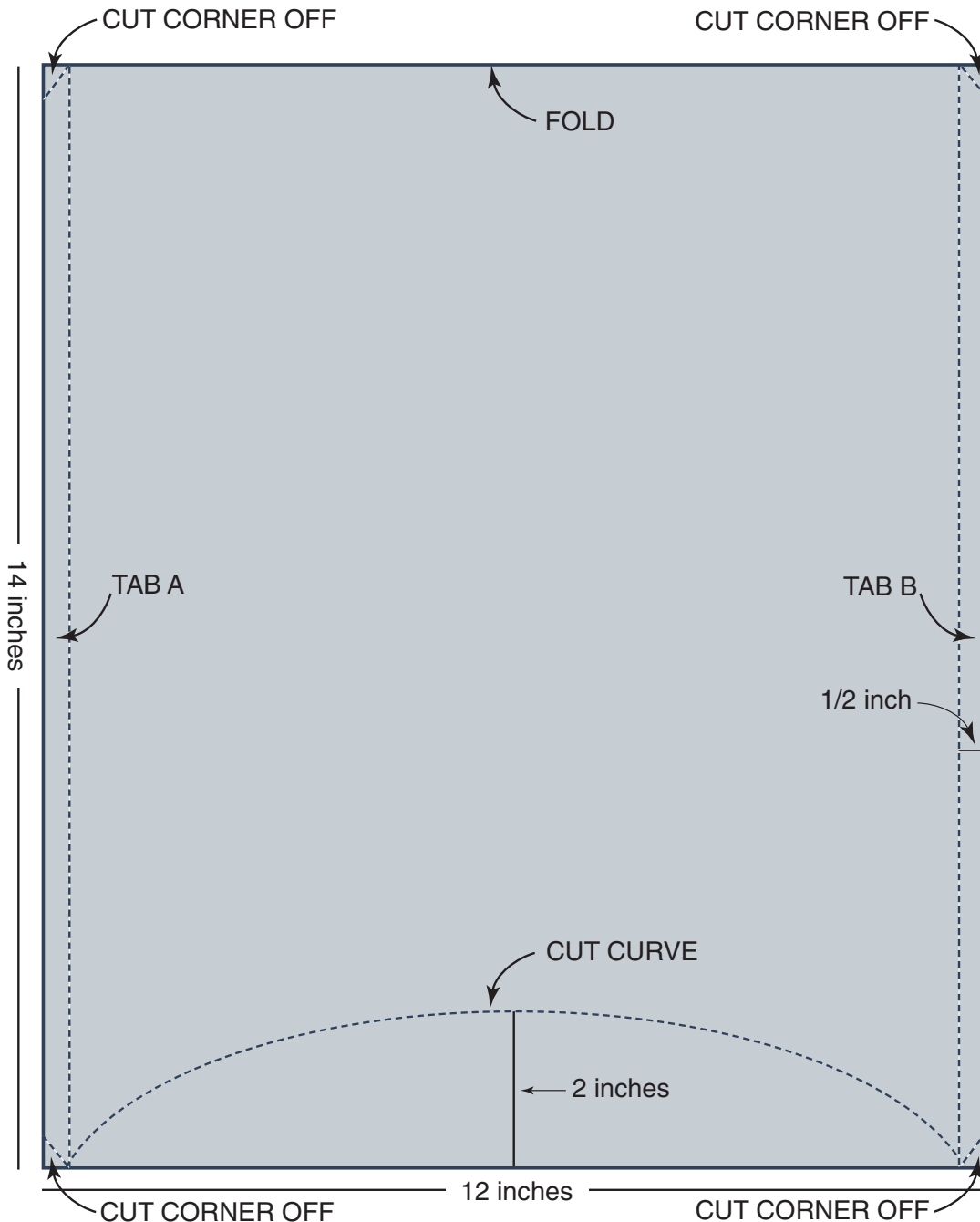
An armored horse



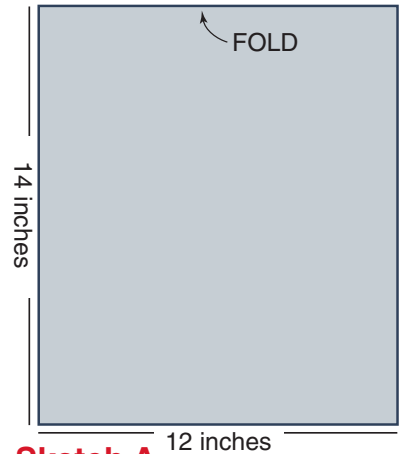
For centuries, people have looked at the thick, folded skin of rhinos and thought it looked like armor. In fact, the first descriptions of these magnificent animals to reach Europe said that they were covered in a thick shell or encased in hard plates.

A famous German artist named Albrecht Dürer heard about these fantastic “armored” animals. He created a detailed woodcut called *Rhinoceros*. What does his artwork remind you of? Imagine living in Europe in 1515 and seeing this artwork. What would you think?

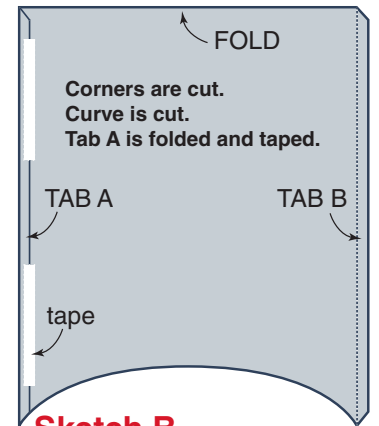
Compare Dürer’s *Rhinoceros* with the photographs of real rhinos in this book. How are they alike? How are they different? In your opinion, how might his woodcut have looked if he had really seen a rhino? What advice would you have given Dürer about his artwork?



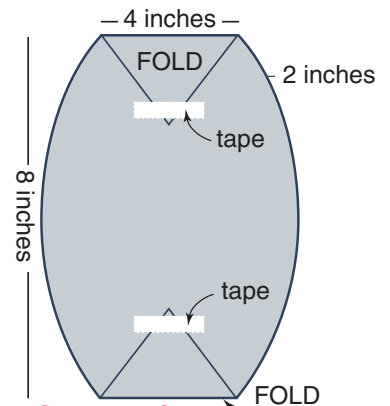
**Pattern**



**Sketch A**



**Sketch B**



**Sketch C**

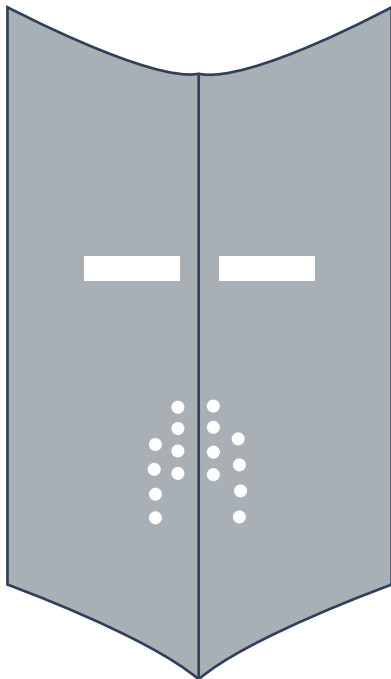
Of course, we now know that rhino skin actually has folds in it. These folds make the animal look like it is wearing plates of armor. We also know that, although the skin is tough, it can easily be scratched.

Perhaps one reason Dürer made his rhino look like it was wearing armor is that armor was common back in the 1500's. The armor worn by knights in Dürer's time was made of plates of iron or leather. As the drawing on page b shows, there was even armor for horses. Compare the armored horse with Dürer's "armored" rhino. Why do you think war-horses sometimes wore armor? What would it be like to see an armored horse charging with a knight on its back?

Now, make your own fantastic drawing of an armored animal. Be creative. Use your imagination. Make a quick sketch on scratch paper, then create your final drawing.

When you're finished with your drawing, make yourself a helmet styled after armor made in the 1300's. Follow the directions below.

## Make an Armored Helmet



To make a full-sized helmet that fits over your head, you will need a pencil, a ruler, invisible tape, and a 12 x 28 inch piece of paper. We used a brown paper bag. Fold the paper in half to make a 12 x 14 inch rectangle with the fold at the top. See Sketch A.

Then, look at the pattern on page b, which is half the size of your helmet. Notice tabs **A** and **B** along the sides of the helmet and the curved line at the bottom edge. Draw tabs **A** and **B** and the curved line. Cut off the corners and curve as marked. Then, fold tabs **A** and **B** back and tape them down like an envelope. See Sketch B.

## WHO AM I?

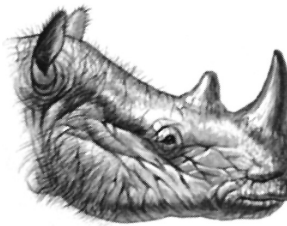
Match the rhino faces with their names.  
See pages 2 and 3 for help.



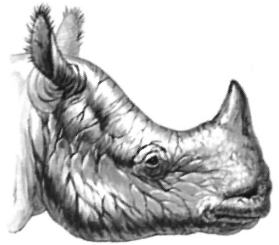
A. \_\_\_\_\_



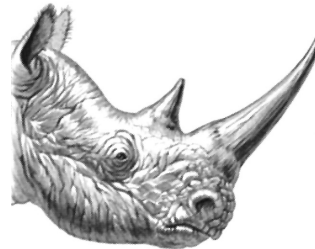
B. \_\_\_\_\_



C. \_\_\_\_\_



D. \_\_\_\_\_



E. \_\_\_\_\_

Javan  
Sumatran  
White  
Indian  
Black

Now follow these steps to make the top of your helmet flat. Look at Sketch C to see what the top of your helmet will look like. Stick your hand inside your helmet all the way to the folded end. Now open your hand so that the folded end becomes flat. (The two corners will stick up.) Try to make it 6 inches across in the middle. Then, fold one top corner down toward the center about 2 inches. Do the same with the other top corner. Tape the corners in place.

See the sketch of the helmet to the left for the position of the eye slits and air holes. But, be sure to try on your helmet to check the position of the eye slits. After removing the helmet, cut eye slits. Poke air holes where shown. (We used a hole punch.)

# RHINO MAGIC

Match each clue with a Rhino Word in the list. Write the number of the word in the correct box in the Rhino Square below. If all your matches are correct, then you will have created a Magic Square. In other words, all the numbers in the rows and columns of the Rhino Square will add up to 15. If you need help making a match, look for the answers in this Zoobooks® issue.



### Clues:

- A.** Probably the heaviest type of rhino.
- B.** Type of rhino with the largest babies.
- C.** Type of female rhino with no horns.
- D.** A close relative of the rhino.
- E.** What rhino horns are made of.
- F.** One way a rhino uses its horn.
- G.** Where the very first rhinos lived.
- H.** The only type of rhino that has hair on its body.
- I.** Type of rhino famous for its terrible eyesight.

### List:

- 1.** Sumatran rhino
- 2.** Javan rhino
- 3.** horse
- 4.** white rhino
- 5.** keratin
- 6.** black rhino
- 7.** as a plow
- 8.** North America
- 9.** Indian rhino

<b>A</b>	<b>B</b>	<b>C</b>
<b>D</b>	<b>E</b>	<b>F</b>
<b>G</b>	<b>H</b>	<b>I</b>

The first magic square was probably figured out thousands of years ago.

In 1541, the German artist, Albrecht Dürer, made this magic square. What's the special number found in this square? Hint: Even the corners add up to this number. Read more about Dürer on page b.

<b>16</b>	<b>3</b>	<b>2</b>	<b>13</b>
<b>5</b>	<b>10</b>	<b>11</b>	<b>8</b>
<b>9</b>	<b>6</b>	<b>7</b>	<b>12</b>
<b>4</b>	<b>15</b>	<b>14</b>	<b>1</b>

Answers: Rhino Magic:

	<b>C</b>				
	<b>9</b>		<b>F</b>		<b>7</b>
<b>B</b>		<b>E</b>	<b>5</b>		<b>I</b>
<b>4</b>			<b>3</b>		<b>8</b>
<b>A</b>		<b>D</b>		<b>H</b>	<b>1</b>
				<b>G</b>	

Dürer's Magic Square:

The sum of the rows, columns, diagonals, and corners is 34.

Color the Rhino

