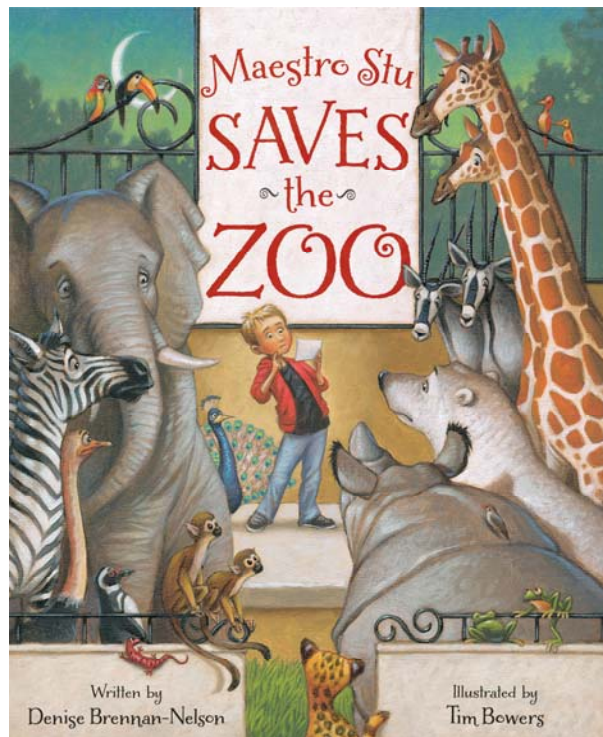


Teacher's Guide



Maestro Stu Saves the Zoo

Author: Denise Brennan-Nelson

Illustrator: Tim Bowers

Guide written by Jillian Hume

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Maestro Stu Saves the Zoo



Story Board

While reading *Maestro Stu Saves the Zoo*, fill out the boxes below. When you have completed it, work with a partner and compare your answers.

| | | |
|----------------|--------------|-----------------|
| Problem | Cause | Solution |
|----------------|--------------|-----------------|

| | |
|-------------------|----------------|
| Characters | Setting |
|-------------------|----------------|

| | | |
|---------------------------------|---------------------------------|----------------------------------|
| Text to Text Connections | Text to Self Connections | Text to World Connections |
|---------------------------------|---------------------------------|----------------------------------|

| |
|---|
| Would you recommend this book to a friend? Why or why not? |
|---|

Maestro Stu Saves the Zoo

Newspaper Article

As the animals continue to show off their musical talents in the story *Maestro Stu Saves the Zoo*, they made national news. Below, create your own newspaper. Be sure to include the name of the newspaper, date, article title, and picture!

The form is a large, rounded rectangular frame with a double-line border. At the top, there is a wavy banner shape. Below the banner, there is a large rectangular area with horizontal lines for writing. The lines are spaced evenly and extend across most of the width of the frame.



Maestro Stu Saves the Zoo

Facts About the Book

Before or after reading *Maestro Stu Saves the Zoo* use the cover of the book to answer questions 1 and 2.

1. The author is the person that writes the words of a book. Who is the author of *Maestro Stu Saves the Zoo*?
2. The illustrator is the person that creates the pictures of a book. Who is the illustrator of *Maestro Stu Saves the Zoo*?

The copyright page is the page that is usually at the front of a book that includes information about the book publisher, publishing date, and other important information about the book. Use the copyright page to answer the following questions.

3. The International Standard Book Number (ISBN) is like a phone number or address for a book. Each book has its own ISBN. It is usually 13 numbers long. What is the ISBN for *Maestro Stu Saves the Zoo*?

4. To whom did Denise Brennan-Nelson dedicate the book?
5. In what year were both the text and illustrations copywritten?



6. In what city and state is Sleeping Bear Press, the publishing company that published *Maestro Stu Saves the Zoo*?
7. On the copyright page, it also lists the Web page for the publishing company. What is the publishing company's Web site?
8. *Maestro Stu Saves the Zoo* was printed and bound (put together) in what country?
9. According to the copyright page, what is the genre of *Maestro Stu Saves the Zoo*?

Maestro Stu Saves the Zoo

Area and Perimeter

Below are bird's-eye view sketches of several animal habitats and cages. Using the formulas below, calculate both the area and perimeter of each cage. Be sure to label the units.

To find the **area of a rectangle**, multiply the length by the width.

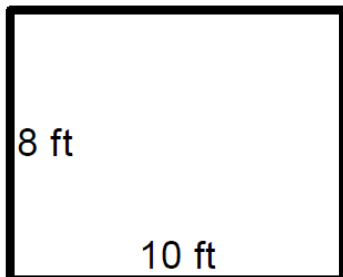
The formula is: $A=L \times W$

Where A is the area, L is the length, and W is the width.

The **perimeter of a polygon** is the length of the distance around the outside of the polygon.

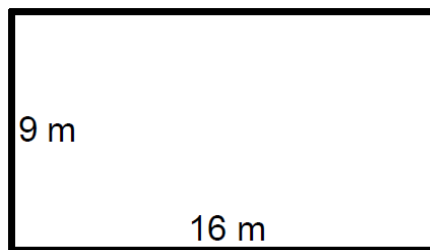
The formula for a rectangle is: $P=2L+2W$

Where P is the perimeter, L is the length, and W is the width.



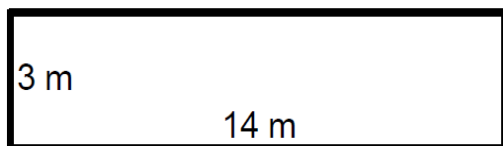
Perimeter: _____

Area: _____



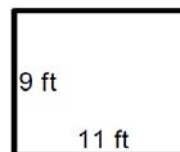
Perimeter: _____

Area: _____



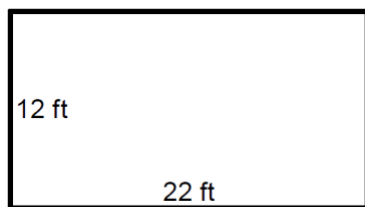
Perimeter: _____

Area: _____



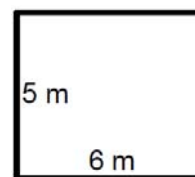
Perimeter: _____

Area: _____



Perimeter: _____

Area: _____



Perimeter: _____

Area: _____

Maestro Stu Saves the Zoo

Design a Diorama



After reading *Maestro Stu Saves the Zoo*, create a three-dimensional diorama. A diorama is a way to display an exciting scene in a small space. Use a shoe box or other small box. Then, gather craft items such as glue, construction paper, scissors, pipe cleaners, glitter, crayons, etc. Pick your favorite scene or picture from the story and bring it to life! Use this sheet as a planning guide. Make a list of all the materials you will use, and draw a sketch of what your diorama will look like. When you have finished brainstorming, create your three-dimensional display.

Materials:

Sketch:



Maestro Stu Saves the Zoo

Idioms

The story *Maestro Stu Saves the Zoo* contains many idioms. An idiom is a phrase or expression that has a hidden meaning. For example, if you have “ants in your pants” there really aren’t ants crawling in your pants. It has a hidden meaning that you are excited about something and can’t sit still. Read the sentences below and determine the meaning of each idiom.

- 1) Thomas was **on pins and needles** while waiting for the doctor to give him his shots.
- 2) We can’t go swimming today. It’s **raining cats and dogs**.
- 3) That spelling test was a **piece of cake**.
- 4) This dinner looks delicious, let’s **chow down!**
- 5) The baby deer are having a **field day** in the cornfield.
- 6) Tomorrow is the first day of school. You better **hit the hay** early tonight.
- 7) Anna was having a hard time understanding fractions, but after asking for help, she could finally **see the light at the end of the tunnel**.
- 8) I saw Jacob at the store yesterday. It’s a **small world**.
- 9) If I have to run another mile, I might **run out of steam**.
- 10) **Hold your horses**. We’re not ready to go yet.



Maestro Stu Saves the Zoo

Analyze the Table

The fictitious table below shows the types and numbers of animals in a zoo over five years. Use the table to answer the questions below.

Number of Animals in the Zoo Each Year

| Animal | 2008 | 2009 | 2010 | 2011 | 2012 |
|-----------------|-------------|-------------|-------------|-------------|-------------|
| Monkey | 12 | 14 | 12 | 16 | 12 |
| Elephant | 4 | 4 | 4 | 4 | 5 |
| Penguin | 20 | 26 | 22 | 18 | 19 |
| Lion | 5 | 5 | 7 | 6 | 6 |
| Tiger | 6 | 7 | 8 | 7 | 8 |

1. What animal had the fewest number in their cage in 2010? _____
2. Which animal population increased the most from 2009-2010? _____
3. Which animal population had the least change from 2008-2012? _____
4. How many more penguins were there than monkeys in 2008? _____
5. What is the only animal that had fewer in 2012 than 2008? _____
6. How many more tigers were there than elephants in 2010? _____
7. How many monkeys, elephants, penguins, lions, and tigers were there total in 2008? _____
8. How many more penguins were there than lions in 2011? _____
9. If the zoo got 8 more lions in 2012, how many would they have total? _____
10. What do you notice about the elephant population? Why might this be? Make a prediction and share your answer with a classmate. _____

Maestro Stu Saves the Zoo

DOWR ACESLRBM WORD SCRAMBLE



Read *Maestro Stu Saves the Zoo* and then practice spelling pattern and word families by using the letters below. You may only use each letter once in each new word you create. Start by making small words, and work your way up to making bigger words. Use all of the words you have created to figure out the mystery word.

i c t e r u s y

_____ ice _____

Mystery word:

Maestro Stu Saves the Zoo

Zoo Shopping

After reading *Maestro Stu Saves the Zoo*, use the price list of items at the gift shop to answer the questions. When you have finished answering the questions, write two questions of your own.

| <u>Item</u> | <u>Cost</u> |
|----------------|-------------|
| Stuffed Animal | \$4.59 |
| Key Chain | \$2.99 |
| T-Shirt | \$12.79 |
| Pencil | \$0.89 |
| Postcard | \$0.59 |

1. How much would you spend if you bought:

A. a keychain and postcard _____

B. a stuffed animal and a pencil _____

C. a postcard, t-shirt, and pencil _____

D. a stuffed animal and a t-shirt _____

2. How much would it cost if you bought all of the items?

3. Could you buy the three most expensive items if you had \$20?

4. If you bought a t-shirt and gave the cashier \$20, how much change would you get back?

Maestro Stu Saves the Zoo

Answer Key

Facts About the Book

- 1) Denise Brennan-Nelson
- 2) Tim Bowers
- 3) 978-1-58536-802-0
- 4) “Barb Schneider and her 5th graders. And to my P.A. friends.”
- 5) 2012
- 6) Ann Arbor, Michigan
- 7) www.sleepingbearpress.com
- 8) United States
- 9) Fiction

Area and Perimeter

| | |
|-------------------------------------|---------------------------------------|
| P: 36 feet A: 80 square feet | P: 50 meters A: 144 meters squared |
| P: 34 meters A: 42 square meters | P: 40 feet A: 99 feet squared |
| P: 68 feet A: 264 square feet | P: 22 meters A: 30 meters squared |

Idioms

- 1) On pins and needles: worried or excited about something
- 2) Raining cats and dogs: to be raining a lot
- 3) Piece of cake: A task that can be accomplished very easily
- 4) Chow down: to eat
- 5) Field day: an enjoyable day or circumstance
- 6) Hit the hay: go to bed or sleep
- 7) See the light at the end of the tunnel: not quite finished, but the end is near
- 8) Small world: you frequently see the same people in different places
- 9) Run out of steam: to be completely out of energy
- 10) Hold your horses: be patient

Analyze the Table

- 1) Elephant
- 2) Lion
- 3) Elephant
- 4) Eight
- 5) Penguin
- 6) 4
- 7) 47
- 8) 12
- 9) 14
- 10) Elephant population doesn't change much. Predictions will vary.

Word Scramble

Mystery Word: Security

Zoo Shopping

1. A \$3.58 B. \$5.48 C. \$14.27 D. \$17.38
2. \$21.85
3. No. Top 3 items cost \$20.37
4. \$7.21