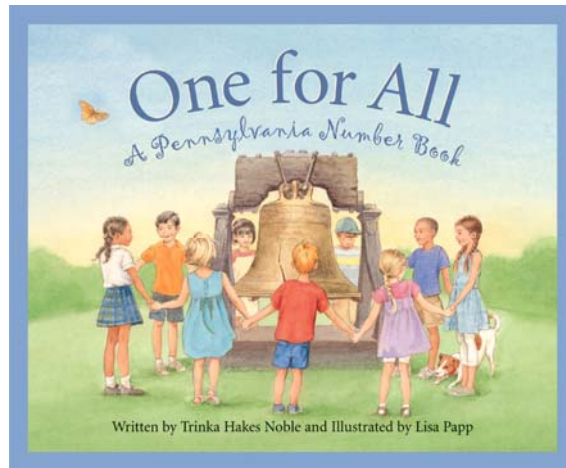


Teacher's Guide



One for All A Pennsylvania Number Book

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Inventive Minds

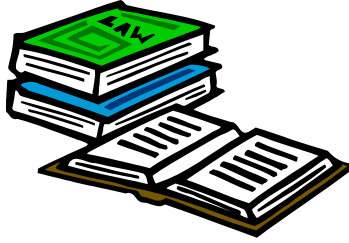
Pennsylvania was home to many historical figures and inventors. Discover who some of these people are in *One for All*.

Match each person in the box below with the invention.

Harry B. Reese	Richard James	Joseph Priestly
Dr. Jonas Salk	Hyman L. Lipman	E. Irvan
Clarence Scott		

1. _____ paper towel
2. _____ oxygen
3. _____ slinky
4. _____ Reese's Peanut Butter Cup
5. _____ polio vaccine
6. _____ pencil with attached eraser

Be inventive! Find a problem and invent a way to solve it.
Start a list of things that could be made to work better.



WE'RE FULL OF ADVENTURES!

Where can you find adventure, mystery, and even learn how to bake cookies? Why, in the library of course. Did you know that Benjamin Franklin founded the first circulating library in the world? Learn about Franklin's many accomplishments in *One for All*. Name the other Pennsylvanian who established libraries throughout the world.

Jill was carrying a large stack of books when she was frightened by a mouse and dropped all the books. Can you put the books in alphabetical order?

Number the titles in alphabetical order.

- _____ *One for All*
- _____ *Primary Numbers*
- _____ *Prairie Numbers*
- _____ *Times Square*
- _____ *Charlotte's Web*
- _____ *James and the Giant Peach*
- _____ *Wind in the Willows*
- _____ *Alice in Wonderland*
- _____ *One Nation*
- _____ *Wright Numbers*

What is your favorite book? _____

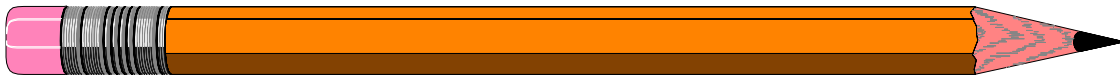
Explain why you like this book _____

TRANSPORTATION TIMELINE

Many modes of travel had their roots in Pennsylvania. On pages 3 and 4 of *One for All* you will have the opportunity to learn about some of these firsts. Place the below events next to the year they happened on the timeline.

- First commercial steamboat launched
- First railroad completed
- First high-speed multilane highway
- First major road in Pennsylvania
- Oldest tunnel built for public use
- Toll road built between Philadelphia and Lancaster

1677-----1794-----1811-----1832-----1852-----1940



LIBERTY CROSSWORD

The Liberty Bell is a very special symbol of our country. Solve this crossword by searching *One for All* for the answers.

L ___ ___ ___
I ___ ___ ___ ___ ___ ___
B ___ ___ ___ ___ ___ ___
E ___ ___ ___ ___ ___ ___
R ___ ___ ___
T ___ ___ ___ ___
Y ___ ___ ___ ___ ___

1. Philadelphia is the city of brotherly _____.
2. There are nine _____ in a game of baseball.
3. The Liberty Bell hidden from the _____.
4. The Liberty Bell was cast in which country? _____
5. The official American flag was designed by Betsy _____.
6. How many rivers meet at Pittsburgh? _____
7. One of the original crayon colors is _____.



CHOCOLATE MATH

Hershey, Pennsylvania, is a town that was built as a model town by Milton Hershey. If you love chocolate you've probably heard of Hershey.

Solve the chocolate problems.

1. There are 22 children in Mr. Brown's first grade class. Each child earned 3 pieces of chocolate for good behavior. How many total chocolates were earned?
2. The bag of chocolates contained 150 pieces. How many were left after Mr. Brown handed out the pieces earned in his class?
3. One-third of the chocolates were wrapped in silver foil. The rest were wrapped in red or green foil. How many were wrapped in red or green foil?
4. Each child in the class ate one chocolate and saved two chocolates. How many chocolates were saved?



As you read the book *One for All* you will learn about many famous people from Pennsylvania. Use this book to answer the following questions.

1. Who wrote the Declaration of Independence? _____
2. Who built the nation's first commercial steamship? _____
3. Who produced steel? _____
4. Who is famous for processed foods? _____
5. Who founded Pennsylvania? _____
6. Who was a member of a famous artist family? _____
7. Who invented bifocal glasses? _____
8. Who received the Medal of Freedom? _____
9. Who built villages of "long houses"? _____
10. Who established a school for orphan boys? _____

Who is your favorite famous person on this page? _____
Why? _____

AMISH FOR A WEEK

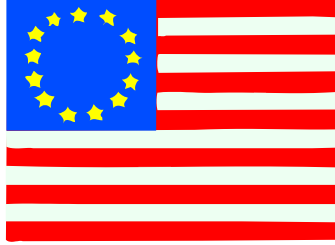
The Amish people live a very simple life. The book *One for All* will give you information about the Amish and their beliefs.

Pretend you are Amish for one week. You have no electricity, phone, or car to use. Make a list of all the things that would be different in your life during that week.

What would be the hardest thing for you to give up? _____

Explain why _____

How did you feel after the meeting?



BETSY ROSS DID IT!

Did Betsy Ross really make the first American flag? No one knows for sure but she did make the design that was adopted by Congress in 1777. We all love our flag and all it stands for, but if you had the chance to design a modern flag what would it look like?

Design a modern flag that could represent the United States.

Explain your design _____



Canoeing, Tubing, or Swimming

Summer is a perfect time to spend a day on the Delaware River. Discover other rivers and creeks that are found in Pennsylvania in the book *One for All*.

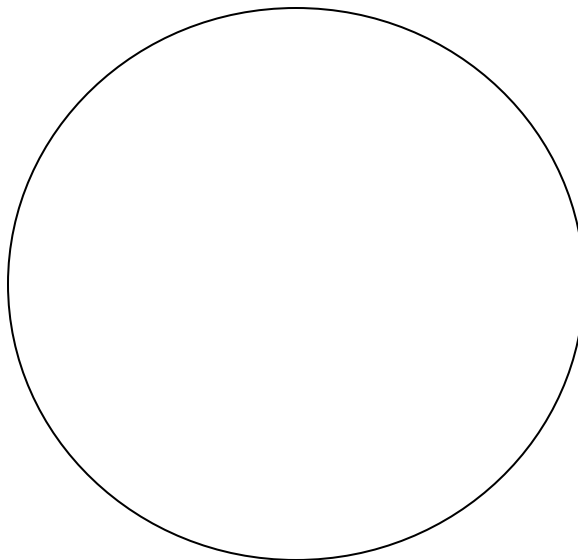
Survey a group of 30 people to find which of these water activities is their favorite.

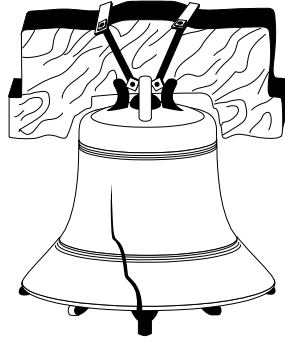
Inner-tubing

Swimming

Canoeing

Use the data you collected to create a circle graph showing the results.
(Remember a circle graph shows percents.)





What is Liberty?

The Liberty Bell is a very special symbol of the United States and our freedom. Where is the Liberty Bell? Read about its history and current location in the book *One for All*.

Use the following steps to write an essay on what liberty means to you.

1. Pre-writing: Make a list of all of your ideas on the topic.
2. First draft: Write a rough draft of your essay.
3. Revise: Make changes to the first draft to improve it. Have others read your rough draft and make suggestions for improving it.
4. Edit: Check spelling, grammar, and mechanical errors.
5. Proofread: Do a final check for content and mechanics.
6. Publish: Make a final copy. Share with others.

Start making a list of your ideas about liberty.

One for All Answer Sheet

Inventing Minds- 1) E. Irvan, Clarence Scott 2) Joseph Priestly 3) Richard James
4) Harry B. Reese 5) Dr. Jonas Salk 6) Hyman L. Lipman

We're Full of Adventures- Andrew Carnegie; 4,7,6,8,2,3,9,1,5,10

Transportation Timeline- 1677-first major road built in Pennsylvania 1794- toll road opens between Philadelphia and Lancaster 1811- first commercial steamboat launched 1832- oldest public tunnel built 1852- first railroad completed 1940- first high-speed, multilane highway

Liberty Crossword- 1) love 2) innings 3) British 4) England 5) Ross 6) three
7) yellow

Chocolate Math- 1) 66 2) 84 3) 100 4) 44

People in the Spotlight- 1) Thomas Jefferson 2) Robert Fulton 3) Andrew Carnegie
4) Henry J. Heinz 5) William Penn 6) Wyeth 7) Benjamin Franklin 8) Fred Rogers
9) Susquehannak 10) Milton Hershey