



Lesson Plan Summary

Magic Tree House #13: Vacation Under the Volcano

Focus Question:

What is life like before and after a rapid earth change?

DURING THIS BOOK STUDY, EACH STUDENT WILL:

- Depict Pompeii before and/or after the eruption.
 - Make predictions based on pictures of preserved people from Pompeii.
 - Demonstrate comprehension of story elements by answering questions on a detailed Reading Guide.
 - Comprehend new vocabulary.
 - Examine how authors use certain words and styles to involve readers in the plot.
 - Become familiar with the prefixes un- and pre- and the suffixes -less, -ful, and -ly.
 - Research active volcanoes for a report.
 - Write a poem or diary entry responding to the eruption in Pompeii.
 - Present projects to class and explain how students connected to the text.
 - Solve addition and subtraction problems.
 - Order numbers from smallest to largest.
 - Organize, graph, and analyze data.
 - Identify a volcano and how it could be confused for a mountain.
 - Explain how a volcanic eruption changes the environment very quickly.
- Illustrate how a location looks before and after a volcanic eruption.

COMMON CORE STANDARDS ADDRESSED:

VISUAL ARTS:

- Creative responses to texts
- Analyzing still images for details and predictions

READING:

- Analyze texts for main idea and details, cause-and-effect relationships, predictions, and conclusions.
- Analyze relationships among characters, setting, and plot.
- Identify figurative language devices.
- Analyze the effect of author's craft on literature.
- Recognize common prefixes and suffixes.
- Gain information from non-fiction text.

WRITING:

- Text types and purposes

SPEAKING AND LISTENING:

- Comprehension and collaboration
- Presentation skills
- Respectful audience behavior

MATH:

- Numbers and operations
- Graphing

SCIENCE:

- Identify Earth's land features.
- Identify how the Earth's surface changes.

13-1S113



Cross-Curriculum Lesson Plan

Magic Tree House #13: Vacation Under the Volcano

Lessons for Whole-Class Reading

Materials:

- Computer with a connection to a TV or Smart Board
- Copies of Reading Guides and Reading Guide Key
- Rubrics in Accompanying Materials
- Project Menus for each student (in Accompanying Materials)
- Materials for volcanic eruption simulation:
 - Volcano with baking soda and vinegar OR
 - Small ketchup packets and safety pins (for teacher use)

Procedures:

1. Introduce Vacation Under the Volcano by showing pictures of preserved bodies from Pompeii, without discussing what the pictures actually are. Have students predict what the pictures display. Then, predict how old the people are. End with a hint: the Earth did this to the people!
2. Suggested activities to use with certain chapters:
 - Chapter 3: Compare/contrast life today with life in ancient Pompeii.
 - Chapter 6: Imagine you are in Pompeii on August 24, A.D. 79. Write a narrative describing what is happening around you.
 - Before Chapter 7: Play DiscoveryStreaming clip of the eruption:
<http://player.discoveryeducation.com/index.cfm?guidAssetId=0CDD5E67-F33B-4D5B-9E5F-0288BA0EB1B3&blnFromSearch=1&productcode=US>
 - Chapter 7: Demonstrate a volcanic eruption. There are two options:
 - Use a baking soda and vinegar model. Get a test tube or other narrow container and put in a small amount of baking soda. Have students predict what will happen when the vinegar is added. How far will it overflow? Add the vinegar to find out!
 - Use a ketchup packet. The teacher can poke a small hole with a safety pin first. Predict what will happen when pressure is applied to the ketchup packet. Go outside to test the predictions. Squeeze the packet, holding it away from clothing. Discuss what happens when the "lava" covers the "volcano." Compare and contrast with the experience in Pompeii.
 - Before Chapter 9: Revisit pictures of preserved Pompeian people and revise predictions about how they were made. Play DiscoveryStreaming clip to see how predictions compare:
<http://player.discoveryeducation.com/index.cfm?guidAssetId=E2F4EEDB-BC12-4022-B931-B4008FE0A1EE>
 - If time permits, you can show an entire DiscoveryStreaming movie about Pompeii:
<http://player.discoveryeducation.com/index.cfm?guidAssetId=54185415-80D8-4141-BB48-F3998D3C7D32&blnFromSearch=1&productcode=US>
3. Once the class finishes reading the book, allow students to pick a project from a project menu. The menu is in the Accompanying Materials.

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Created by: Melissa Summer, Woodland Heights Elementary School, Spartanburg, South Carolina

- Write a diary from the perspective of someone living in Pompeii before, during, and after the eruption. Include at least 5 diary entries.
 - Draw Pompeii during the volcanic eruption.
 - Write a poem about how you would feel looking at the destruction in Pompeii after the volcanic eruption.
 - Create a diorama of how the town of Pompeii looked before and/or after the eruption.
2. As an entire class, create your own “Ring of Fire” by completing reports about active volcanoes. Directions are included later in this document.
3. Extensions:
- **ELA:** Complete a prefix and suffix study. Use the cards provided in the accompanying materials. Have students work in small groups to determine what the cards have in common. Create definitions for each prefix or suffix together. Study the prefixes and suffixes as follows:
 - -less, un-
 - -ful, pre-
 - -ly
 - **Math:** Complete the math activity sheet about the deadliest volcanoes in history (in the Accompanying Materials).
 - **Science:** Discuss how volcanoes change the surface of the Earth quickly using the lesson below.

VIOLENT VOLCANOES!

Materials:

- Science journals or paper
- Roll of Mentos candy
- Clear 2-liter bottle of diet soda
- Computer hooked up to the Internet for classroom media viewing

Procedure:

1. Ask the class to brainstorm: how can a volcano change the surface of the Earth?
2. Explain that you will be creating your own class volcano. Show the students the materials (Mentos and soda). In a science journal or on a piece of paper, each student will predict what will happen in the simulation.
3. Go outside. Create a soda bottle volcano as described here:
<http://www.weatherwizkids.com/experiments-volcano-soda-bottle.htm>
4. Continue answering the following questions:
 - Was their prediction correct?
 - What happens when a volcano occurs?
 - How does it change the Earth’s surface?

5. After questions have been answered, visit some of these websites:

- <http://www.weatherwizkids.com/weather-volcano.htm> (gives an overview of important volcano facts that includes additional links and safety tips)
- <http://www.woodlands-junior.kent.sch.uk/Homework/mountains/volcanoes.htm> (This site includes pages with information about volcanoes in general, eruptions, parts, and types.)
- <http://video.nationalgeographic.com/video/player/kids/forces-of-nature-kids/volcanoes-101-kids.html> (good video with volcano information. Note: It starts with a 15-second commercial, so you may wish to load this video before class and pause it after the commercial finishes.)
- <http://kids.discovery.com/games/build-play/volcano-explorer> (an interactive site that lets you build and erupt your own volcano)
- <http://volcanoes.usgs.gov/> (map of volcanoes with real-time updates)
- <http://www.neok12.com/Volcanoes.htm> (additional volcano videos)

6. Summarize how Earth's surface changes quickly by completing a cause/effect chart.

Lessons for Independent Reading

- Complete the Reading Guide to demonstrate reading comprehension.
- Complete a project or multiple projects from the “Pick a Project” menu.

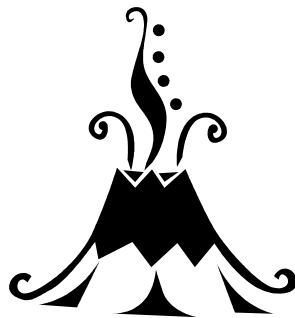
Lessons for Literature Circles

- The “Mystery of the Lost Stories” cluster includes *Vacation Under the Volcano*, *Day of the Dragon King*, *Viking Ships at Sunrise*, and *Hour of the Olympics*. In these books, Jack and Annie are trying to find lost stories.
- Students can jigsaw read in groups of 4-8 and then regroup in literature circles to find connections among the books.
- The entire class can do literature circles with these four books simultaneously to compare and contrast the different story elements.
- Each student will complete activities associated with their book. Then, they can present their findings to other students in the class.

Assessment

All assessment materials are in the Accompanying Materials.

- Reading Guide
- Literature study Rubric
- Project Rubric



How to Create a Ring of Fire

For this class project, each student will become an expert on an active volcano of their choice. They will research, create, and display their work as a class to create a “Ring of Fire.” Invite families, other classes, and other special visitors to walk through your Ring of Fire!

Materials

- Chart paper for KWL chart
- Computer connected to a TV or interactive white board for a virtual field trip at <http://volcano.oregonstate.edu/oldroot/kids/adventure/index.html>
- Volcano Research Sheet for each student (in Accompanying Materials)
- Research materials, including:
 - <http://www.time.com/time/specials/packages/completelist/0,29569,2014572,00.html> (Top 10 Volcanoes)
 - <http://www.universetoday.com/31873/famous-volcanoes/> (listing of many volcanoes)
 - <http://volcano.oregonstate.edu/oldroot/volcanoes/alpha.html> (listing of many volcanoes)
 - <http://volcano.oregonstate.edu/oldroot/volcanoes/index.html> (search for a volcano)
- Volcano Summary Sheet for each student (one half sheet; in Accompanying Materials)
- Materials to make volcanoes

Procedures

1. Introduce project by asking students to complete a KWL (Know, Wonder, Want to Learn) chart about volcanoes. Fill out the first two columns together to record what they already know about volcanoes and what they wonder about volcanoes.
2. Take the class on a virtual field trip. “Visit” a few volcanoes. What observations do students make? What are similarities and differences among the different volcanoes?
3. Explain that students will become experts in the volcano of their choice. They will complete a research sheet, summarize that research in a rough draft, and then copy the final draft of their summary onto the Volcano Summary Sheet.
4. Next, each student will make a model of his or her volcano. They can use any materials they wish, either teacher provided or whatever materials the child has at home.
5. Combine the class volcanoes into a Ring of Fire! To create the Ring of Fire, find an open space with tables around the perimeter (this can be counter space in a classroom, tops of low bookshelves in a library, or relocated student desks). Place the volcanoes on the tables with the Volcano Summary Sheet in front of each volcano.
6. Invite families, other classes, administrators, and other special visitors to tour your class Ring of Fire and learn about active volcanoes in the world today!
7. A rubric is included in the Accompanying Materials.

***Vacation Under the Volcano* Unit:**
Accompanying Materials

Pictures of Preserved Bodies of Pompeii



Photo credit: Melissa Summer (personal photo)



Photo credit: Melissa Summer (personal photo)

Un- and -less cards for small groups (give 4 un- or 4 -less cards to each small group):

unnecessary

coatless

unable

dogless

unusual

heartless

unlike

meaningless

unkind

mindless

unfriendly

friendless

unknown

hopeless

unwrapped

fearless

Pre- and -ful cards for small groups (give 3-4 un- or 3-4 -less cards to each small group):

preheat

colorful

precede

beautiful

pretest

sorrowful

prepare

bountiful

prehistoric

dreadful

premature

thoughtful

prelude

harmful

-ly Relay Game: Have words and definitions in separate groups and complete a relay to match them!

unfriendly	not friendly
unknown	not known
meaningless	without meaning
fearless	without fear
mindless	without mind
precede	to come before
prehistoric	before history
sorrowful	full of sorrow
dreadful	full of dread
harmful	full of harm

Name: _____ Date: _____

DEADLIEST VOLCANO MATH PUZZLES

Use the chart to solve the puzzles below.

Number of Deaths	Location	Year of Eruption	Cause of Most Deaths
92,000	Tambora, Indonesia	1815	Starvation
36,417	Krakatau, Indonesia	1883	Tsunami
29,025	Mt. Pelee, Martinique	1902	Ash flows
25,000	Ruiz, Colombia	1985	Mudflows
14,300	Unzen, Japan	1792	Volcano collapse, tsunami
9,350	Laki, Iceland	1783	Starvation
5,110	Kelut, Indonesia	1919	Mudflows
4,011	Galunggung, Indonesia	1882	Mudflows
3,500	Vesuvius, Italy	1631	Mudflows, lava flows
3,360	Vesuvius, Italy	79	Ash flows and falls

1. Where was the deadliest volcano in history? _____
2. How many people died because of the eruption in Pompeii in 79? _____
3. What caused most of the deaths in the Pompeii eruption in 79? _____
4. How many people in all died in volcanoes in Italy?
5. How many people died in all because of starvation?
6. How many more people died in the 1631 eruption of Mt. Vesuvius than the 79 eruption?
7. How many more people died in the deadliest eruption in history than the eruption in Pompeii in 79?
8. Which country has had the highest number of deadliest volcanic eruptions, and how many eruptions were there? _____
9. Pick any three volcanoes. Express their number of deaths in standard, expanded, and word form.

Standard	Expanded	Word

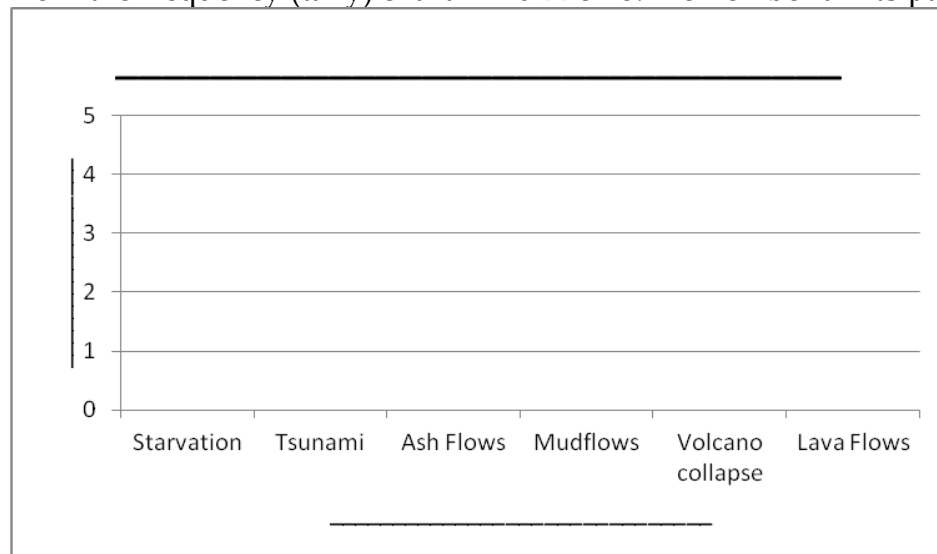
10. Put the volcanoes in order from earliest eruption to latest eruption.

Location	Year

11. Complete the frequency (tally) chart about the causes of the deaths. (If an eruption lists more than one cause of deaths, you may put a tally mark in both categories.)

Cause of Most Deaths	Frequency
Starvation	
Tsunami	
Ash flows	
Mudflows	
Volcano collapse	
Lava flows	

12. Make a graph from the frequency (tally) chart in Puzzle #8. Remember all its parts!



13. Use your graph to answer these questions:

a. Which cause of death was the most common? _____

b. Which cause of death was the least common? _____

14. **Bonus:** Make your own volcano math problem!

Name: _____ Date: _____

DEADLIEST VOLCANO MATH PUZZLES (KEY)

Use the chart to solve the puzzles below.

Number of Deaths	Location	Year of Eruption	Cause of Most Deaths
92,000	Tambora, Indonesia	1815	Starvation
36,417	Krakatau, Indonesia	1883	Tsunami
29,025	Mt. Pelee, Martinique	1902	Ash flows
25,000	Ruiz, Colombia	1985	Mudflows
14,300	Unzen, Japan	1792	Volcano collapse, tsunami
9,350	Laki, Iceland	1783	Starvation
5,110	Kelut, Indonesia	1919	Mudflows
4,011	Galunggung, Indonesia	1882	Mudflows
3,500	Vesuvius, Italy	1631	Mudflows, lava flows
3,360	Vesuvius, Italy	79	Ash flows and falls

- Where was the deadliest volcano in history? Tambora, Indonesia
- How many people died because of the eruption in Pompeii in 79? 3,360 people
- What caused most of the deaths in the Pompeii eruption in 79? Ash flows and falls
- How many people in all died in volcanoes in Italy?

$$\begin{array}{r} 3,500 \\ +3,360 \\ \hline 6,860 \text{ people} \end{array}$$
- How many people died in all because of starvation?

$$\begin{array}{r} 92,000 \\ +9,350 \\ \hline 101,350 \text{ people} \end{array}$$
- How many more people died in the 1631 eruption of Mt. Vesuvius than the 79 eruption?

$$\begin{array}{r} 3,500 \\ -3,360 \\ \hline 140 \text{ people} \end{array}$$
- How many more people died in the deadliest eruption in history than the eruption in Pompeii in 79?

$$\begin{array}{r} 92,000 \\ - 3,360 \\ \hline 88,640 \text{ people} \end{array}$$
- Which country has had the highest number of deadliest volcanic eruptions, and how many eruptions were there? Indonesia has had the most deadliest volcanic eruptions with 4 eruptions.
- Pick any three volcanoes. Express their number of deaths in standard, expanded, and word form.

Standard	Expanded	Word

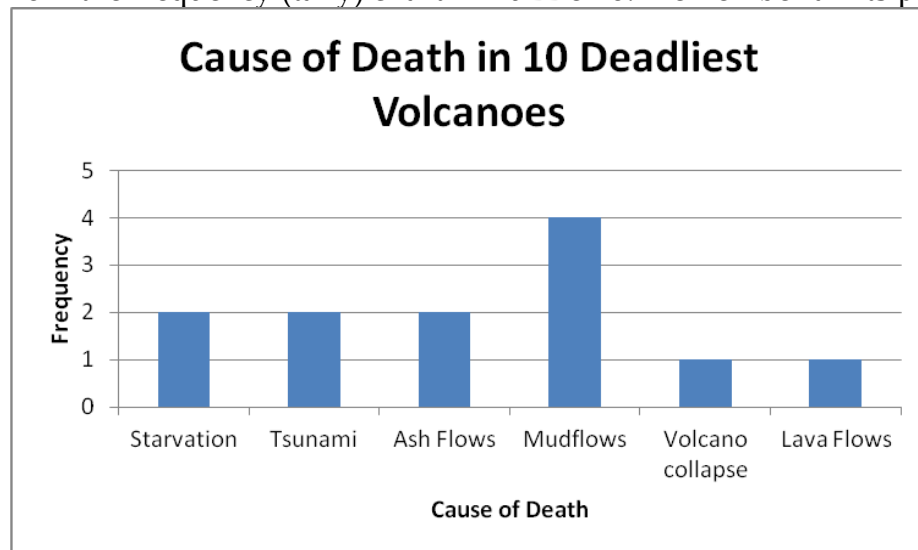
10. Put the volcanoes in order from earliest eruption to latest eruption.

Location	Year
Vesuvius, Italy	79
Vesuvius, Italy	1631
Laki, Iceland	1783
Unzen, Japan	1792
Tambora, Indonesia	1815
Galunggung, Indonesia	1882
Krakatau, Indonesia	1883
Mt. Pelee, Martinique	1902
Kelut, Indonesia	1919
Ruiz, Colombia	1985

11. Complete the frequency (tally) chart about the causes of the deaths. (If an eruption lists more than one cause of deaths, you may put a tally mark in both categories.)

Cause of Most Deaths	Frequency
Starvation	
Tsunami	
Ash flows	
Mudflows	
Volcano collapse	
Lava flows	

12. Make a graph from the frequency (tally) chart in Puzzle #8. Remember all its parts!



13. Use your graph to answer these questions:

- Which cause of death was the most common? Mudflows was the most common with 4 occurrences.
- Which cause of death was the least common? Volcano collapse and lava flows were both the least common with 1 occurrence each.

14. **Bonus:** Make your own volcano math problem!

Name: _____ Date: _____

Vacation Under the Volcano Reading Guide

Chapter 1: A Secret Code

Words to Know

- adventure
- Latin

Words in Parts

- shimmering

Vocabulary Words

- hail
- tunic

1. What do the letters "ML" mean on the library card? (p. 1) _____
2. How often do Jack and Annie check in the woods? (p. 2) _____
3. **Math extension:** If Jack and Annie started from their house, went to the tree house, went back to their house, and then returned to the treehouse, how much time would that take? (p. 3) _____
4. What was Annie's nightmare about? (p. 3) _____
5. Did Jack think Annie's dream was a warning? Why or why not? (p. 3) _____
6. When some libraries got lost in history, what also got lost? (p. 5) _____
7. What was written on the paper? (p. 5) _____
8. What is Latin? (p. 6) _____
9. What does Morgan tell them to remember? (p. 7) _____

Chapter 2: The End Is Near

Words to Know

- villa
- Vesuvius
- Noisy
- forum

Words in Parts

- pleaded
- stringed
- barbershop
- raspy

Vocabulary Words

- grove
- glancing
- tavern
- politics

1. Draw Jack and Annie in their outfits described on p. 9.



2. Why does Annie feel like Cinderella? (p. 10) _____
3. Pompeii is a _____ town. Romans went there for _____. Their large houses were called _____. They planted _____ by _____. (p. 10-11)
4. How does the name "Vesuvius" make Annie feel? (p. 12) _____
5. What does Annie feel that Jack doesn't? (p. 12) _____
6. Why was the grove silent? (p. 14) _____
7. What was weird about the stream? (p. 16) _____
8. What is a forum? (p. 19) _____
9. What did the old woman say? (p. 20) _____

Chapter 3: Gladiators!

Words to Know

- columns
- shield

Words in Parts

- soothsayers
- streaming

Vocabulary Words

- peered
- myth

1. What did the book say about the old woman? (p. 22) _____
2. What did people do at the Public Baths? (p. 23) _____
3. What did people do in the Temple of Jupiter? (p. 25) _____
4. Describe the gladiators. (p. 26-27) _____

Chapter 4: Scary Things

Words to Know

- criminal
- stadium

Words in Parts

- amphitheater
- household

Vocabulary Words

- merely

1. What are gladiators? (p. 28) _____
2. The old woman says the streams dried up and the animals went away because _____. (p. 32)
3. Where is the library? (p. 34) _____
4. Where is Brutus? (p. 34) _____
5. Why does the soothsayer think Brutus won't mind if they take his book? (p. 34) _____

Chapter 5: Books? Books?

Words to Know

- patio
- shelves

Words in Parts

- mermaid

Vocabulary Words

- trailed
- sloping

1. How did the people of Pompeii get water without sinks? (p. 36-37) _____
2. What was a Roman bedroom like? (p. 38) _____
3. What was a Roman dining room like? (p. 38) _____
4. What was in the room by the garden? (p. 39) _____
5. How did Romans write? (p. 40) _____

Chapter 6: The End Is *Here*

Words to Know

- clutching
- appeared

Words in Parts

- handwritten
- sundial

Vocabulary Words

- frantically
- stuttered

1. Why can't Jack and Annie read the story when they find it? (p. 42) _____
2. What happened at noon on August 24, A.D. 79? (p. 43) _____
3. What did Jack just realize? (p. 43) _____

4. How did the Romans tell time? (p. 44) _____
5. When was there barely a shadow on the sundial? (p. 46) _____
6. **Predict:** What was the loudest sound that Jack had ever heard? _____

Chapter 7: The Sky Is Falling

Words to Know

- rumbling
- vanished

Words in Parts

- crashed

Vocabulary Words

- sloshed
- plaster

1. What happened to Mount Vesuvius? (p. 48) _____
2. What is magma? (p. 49) _____
3. What is lava? (p. 49) _____
4. Why was there no running lava from Mount Vesuvius? (p. 49) _____

5. **Science Connection:** What kind of rock is pumice and why? _____

6. What buried the town? (p. 49-50) _____
7. Write the simile on p. 50. _____
8. Why is the sky getting dark? (p. 50) _____
9. How did Jack and Annie protect their heads? (p. 51) _____

Chapter 8: Nightmare at Noon

Words to Know

- distance
- fled

Words in Parts

- billowed
- vanished

Vocabulary Words

- collapse
- butcher

1. The hot, dusty air smelled like _____. (p. 54)
2. **Science extension:** Which mineral smelled like rotten eggs? _____
3. What was happening to all the buildings as Jack and Annie walked past? (p. 56) _____

4. Where is the tree house? (p. 56) _____
5. **Text-to-text:** What happened to Annie's nightmare? (p. 57) _____
6. What happened to the bridge? (p. 58) _____

Chapter 9: Save Us!

Words to Know

- drift

Words in Parts

- grabbed

Vocabulary Words

- caved
- dazed

1. What do Jack and Annie get stuck in? (p. 61) _____
2. **Predict:** How could the story save them? (p. 61) _____
3. What happened after Annie asked the story to save them? (p. 63) _____

4. What was unusual about the man that Jack saw? (p. 64) _____

Chapter 10: A Simple Explanation

Words to Know

- gulped
- witnessed
- hero

Words in Parts

- echoed
- grateful

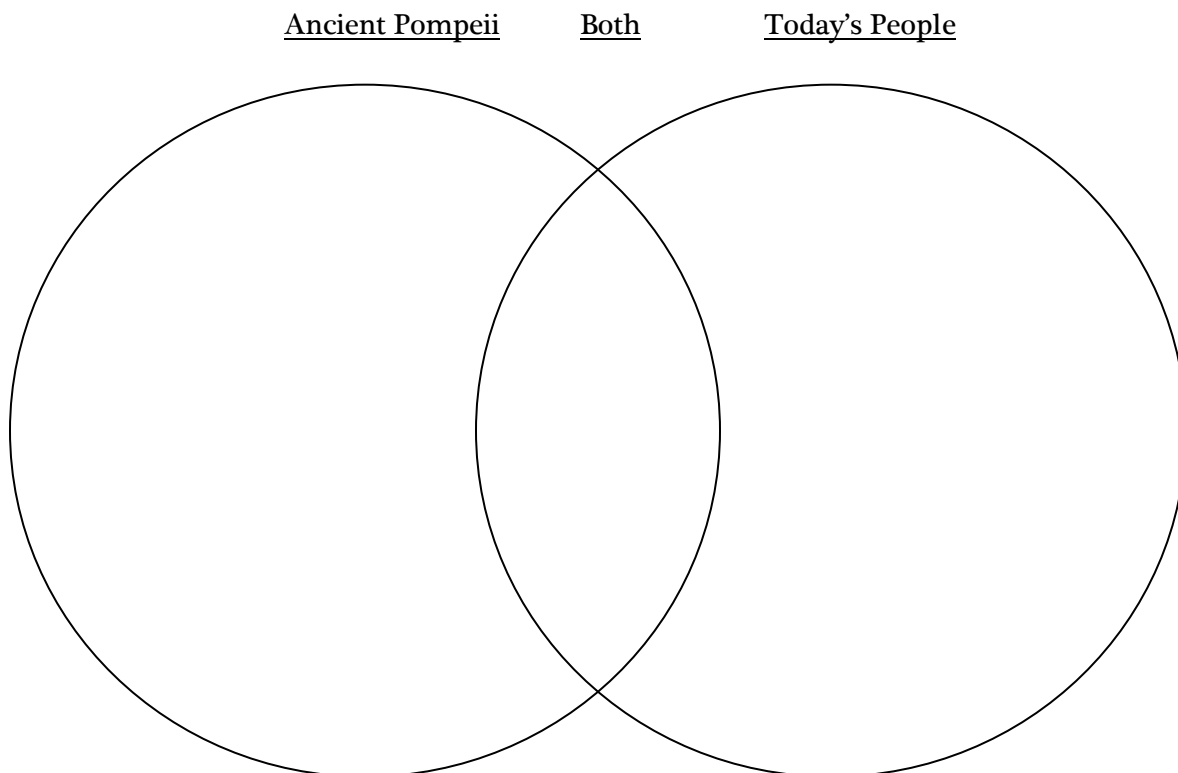
Vocabulary Words

- filthy
- hoarse

1. Why were Jack and Annie so excited to breathe? (p. 66) _____
2. Why couldn't Jack see? (p. 66) _____
3. How do scientists today know about ancient Pompeii? (p. 67) _____
4. What happened to the people of Pompeii? (p. 68) _____
5. Where are Jack and Annie going next? (p. 70) _____
6. What was the title of the book they rescued? (p. 71) _____
7. Who was Hercules? (p. 71) _____
8. Who was the giant man who saved Jack and Annie? (p. 72) _____
9. What was Annie's simple explanation for the myth of Hercules? (p. 73) _____

Write your favorite two facts on pages 75-76. _____

Compare the life of people from ancient Pompeii and people today using the Venn diagram below.



Name: _____ Date: _____

Vacation Under the Volcano Reading Guide (KEY)

Chapter 1: A Secret Code

Words to Know

- adventure
- Latin

Words in Parts

- shimmering

Vocabulary Words

- hail
- tunic

1. What do the letters “ML” mean on the library card? (p. 1) They mean Master Librarian.
2. How often do Jack and Annie check in the woods? (p. 2) They look in the woods every morning.
3. **Math extension:** If Jack and Annie started from their house, went to the tree house, went back to their house, and then returned to the treehouse, how much time would that take? (p. 3) 5+5+5=15 minutes
4. What was Annie’s nightmare about? (p. 3) She dreamed that there were fires and the ground was shaking.
5. Did Jack think Annie’s dream was a warning? Why or why not? (p. 3) Jack thinks it is not a warning because nightmares never come true.
6. When some libraries got lost in history, what also got lost? (p. 5) They also lost wonderful stories.
7. What was written on the paper? (p. 5) Vir Fortissimus in Mundo
8. What is Latin? (p. 6) It is the language of the ancient Romans in Italy.
9. What does Morgan tell them to remember? (p. 7) In your darkest hour, only the ancient story can save you.

Chapter 2: The End Is Near

Words to Know

- villa
- Vesuvius
- Noisy
- forum

Words in Parts

- pleaded
- stringed
- barbershop
- raspy

Vocabulary Words

- grove
- glancing
- tavern
- politics

1. Draw Jack and Annie in their outfits described on p. 9.



2. Why does Annie feel like Cinderella? (p. 10) She likes her new clothes!
3. Pompeii is a Roman town. Romans went there for vacation. Their large houses were called villas. They planted olive trees by Mount Vesuvius. (p. 10-11)
4. How does the name “Vesuvius” make Annie feel? (p. 12) She feels scared.
5. What does Annie feel that Jack doesn’t? (p. 12) The ground is shaking.
6. Why was the grove silent? (p. 14) There weren’t any birds singing.
7. What was weird about the stream? (p. 16) It was all dried up.
8. What is a forum? (p. 19) A forum is the center of a Roman town. People go there to sell things and talk about politics.
9. What did the old woman say? (p. 20) “The end is near! Go home, strangers!”

Chapter 3: Gladiators!

Words to Know

- columns
- shield

Words in Parts

- soothsayers
- streaming

Vocabulary Words

- peered
- myth

1. What did the book say about the old woman? (p. 22) She was a soothsayer who could see the future.
2. What did people do at the Public Baths? (p. 23) They washed, swam, played sports, and visited with their friends.
3. What did people do in the Temple of Jupiter? (p. 25) They prayed to Jupiter and gave him gifts.
4. Describe the gladiators. (p. 26-27) They are tall with large muscles. They wear helmets and carry shields. Their feet are chained together.

Chapter 4: Scary Things

Words to Know

- criminal
- stadium

Words in Parts

- amphitheater
- household

Vocabulary Words

- merely

1. What are gladiators? (p. 28) They are slaves or criminals who were forced to fight each other.
2. The old woman says the streams dried up and the animals went away because the end is near. (p. 32)
3. Where is the library? (p. 34) The library is in the house of Brutus.
4. Where is Brutus? (p. 34) They're in Rome, and the house in Pompeii is his vacation villa.
5. Why does the soothsayer think Brutus won't mind if they take his book? (p. 34) After that day, nothing would be left in Pompeii.

Chapter 5: Books? Books?

Words to Know

- patio
- shelves

Words in Parts

- mermaid

Vocabulary Words

- trailed
- sloping

1. How did the people of Pompeii get water without sinks? (p. 36-37) They have a hole in the ceiling and a stone pool underneath to collect the rain water.
2. What was a Roman bedroom like? (p. 38) It had wooden beds, walls with pictures on them, and floors with tiny pieces of colored stone.
3. What was a Roman dining room like? (p. 38) It had a low table, silver dishes, and couches with pillows.
4. What was in the room by the garden? (p. 39) The room had shelves filled with rolls of paper.
5. How did Romans write? (p. 40) They wrote with small reeds dipped in octopus ink. They wrote on papyrus paper.

Chapter 6: The End Is *Here*

Words to Know

- clutching
- appeared

Words in Parts

- handwritten
- sundial

Vocabulary Words

- frantically
- stuttered

1. Why can't Jack and Annie read the story when they find it? (p. 42) It is written in Latin, and they can't read Latin.
2. What happened at noon on August 24, A.D. 79? (p. 43) Mount Vesuvius erupted into a volcano.
3. What did Jack just realize? (p. 43) It IS August 24, A.D. 79!

4. How did the Romans tell time? (p. 44) They used a sundial.
5. When was there barely a shadow on the sundial? (p. 46) At noon
6. **Predict:** What was the loudest sound that Jack had ever heard?

Chapter 7: The Sky Is Falling

Words to Know

- rumbling
- vanished

Words in Parts

- crashed

Vocabulary Words

- sloshed
- plaster

1. What happened to Mount Vesuvius? (p. 48) It blew off its top as it erupted.
2. What is magma? (p. 49) It's hot, melted rock inside a volcano.
3. What is lava? (p. 49) It's hot, melted rock outside a volcano.
4. Why was there no running lava from Mount Vesuvius? (p. 49) It cooled so quickly that it erupted as pumice.
5. **Science Connection:** What kind of rock is pumice and why? Pumice is an igneous rock because it is formed when magma cools and hardens.
6. What buried the town? (p. 49-50) Ash, pumice, and burning rock buried Pompeii.
7. Write the simile on p. 50. A thick black cloud was spreading over the earth like an umbrella.
8. Why is the sky getting dark? (p. 50) The cloud of ash is covering the sky.
9. How did Jack and Annie protect their heads? (p. 51) They tied pillows to their heads.

Chapter 8: Nightmare at Noon

Words to Know

- distance
- fled

Words in Parts

- billowed
- vanished

Vocabulary Words

- collapse
- butcher

1. The hot, dusty air smelled like rotten eggs. (p. 54)
2. **Science extension:** Which mineral smelled like rotten eggs? Sulfur
3. What was happening to all the buildings as Jack and Annie walked past? (p. 56) They were falling down and breaking.
4. Where is the tree house? (p. 56) It's in the olive grove by the bridge by the shops.
5. **Text-to-text:** What happened to Annie's nightmare? (p. 57) It was coming true!
6. What happened to the bridge? (p. 58) It vanished.

Chapter 9: Save Us!

Words to Know

- drift

Words in Parts

- grabbed

Vocabulary Words

- caved
- dazed

1. What do Jack and Annie get stuck in? (p. 61) They get stuck in piles of pumice.
2. **Predict:** How could the story save them? (p. 61)
3. What happened after Annie asked the story to save them? (p. 63) A deep voice said, "Rise up, son!" and lifted Jack into the air.
4. What was unusual about the man that Jack saw? (p. 64) He looked like a gladiator, but he was even bigger.

Chapter 10: A Simple Explanation

Words to Know

- gulped
- witnessed
- hero

Words in Parts

- echoed
- grateful

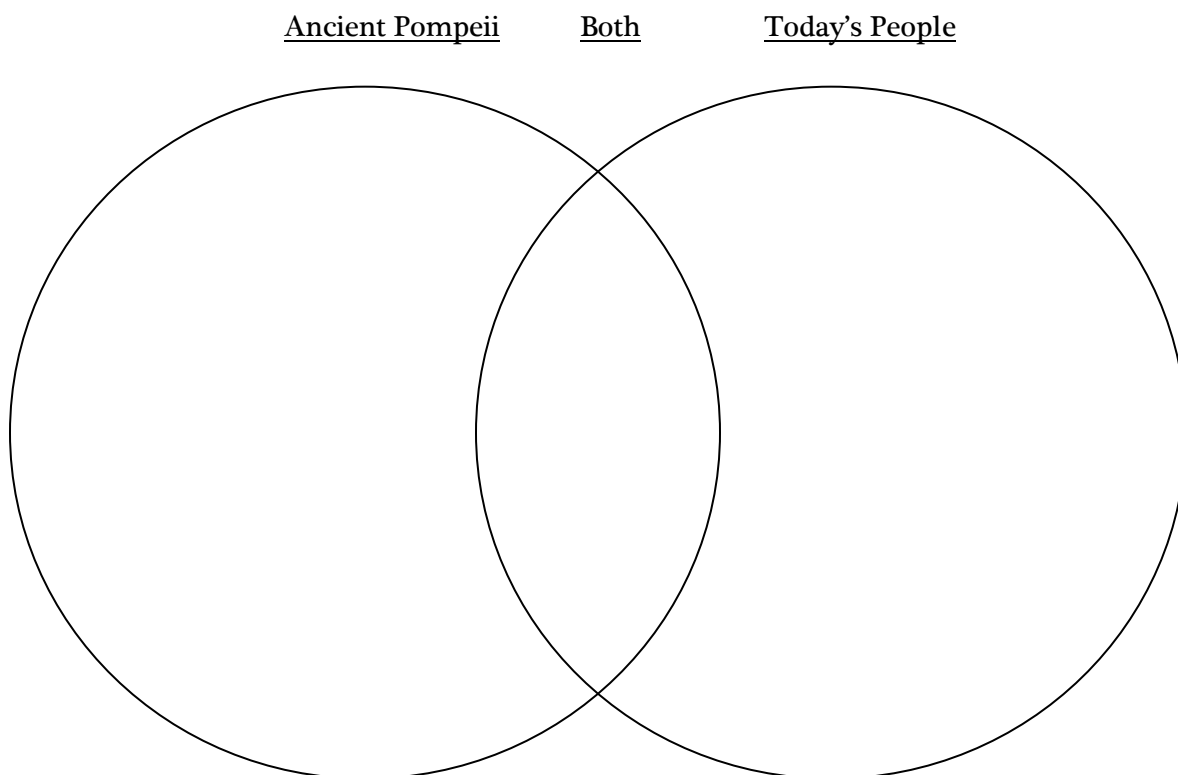
Vocabulary Words

- filthy
- hoarse

1. Why were Jack and Annie so excited to breathe? (p. 66) They weren't having to breathe volcanic ash any more.
2. Why couldn't Jack see? (p. 66) His glasses were dirty.
3. How do scientists today know about ancient Pompeii? (p. 67) They study the remains of the city.
4. What happened to the people of Pompeii? (p. 68) They escaped since the city wasn't fully buried until the next day.
5. Where are Jack and Annie going next? (p. 70) They're going to ancient China!
6. What was the title of the book they rescued? (p. 71) The title was *The Strongest Man in the World*.
7. Who was Hercules? (p. 71) He was one of the heroes of ancient Greeks and Romans. He was the son of Jupiter.
8. Who was the giant man who saved Jack and Annie? (p. 72) Hercules saved them!
9. What was Annie's simple explanation for the myth of Hercules? (p. 73) Today, Hercules is a myth. Back in the Roman times, they thought he was real. Since they were in Roman times during their adventure, Hercules was real to them.

Write your favorite two facts on pages 75-76. _____

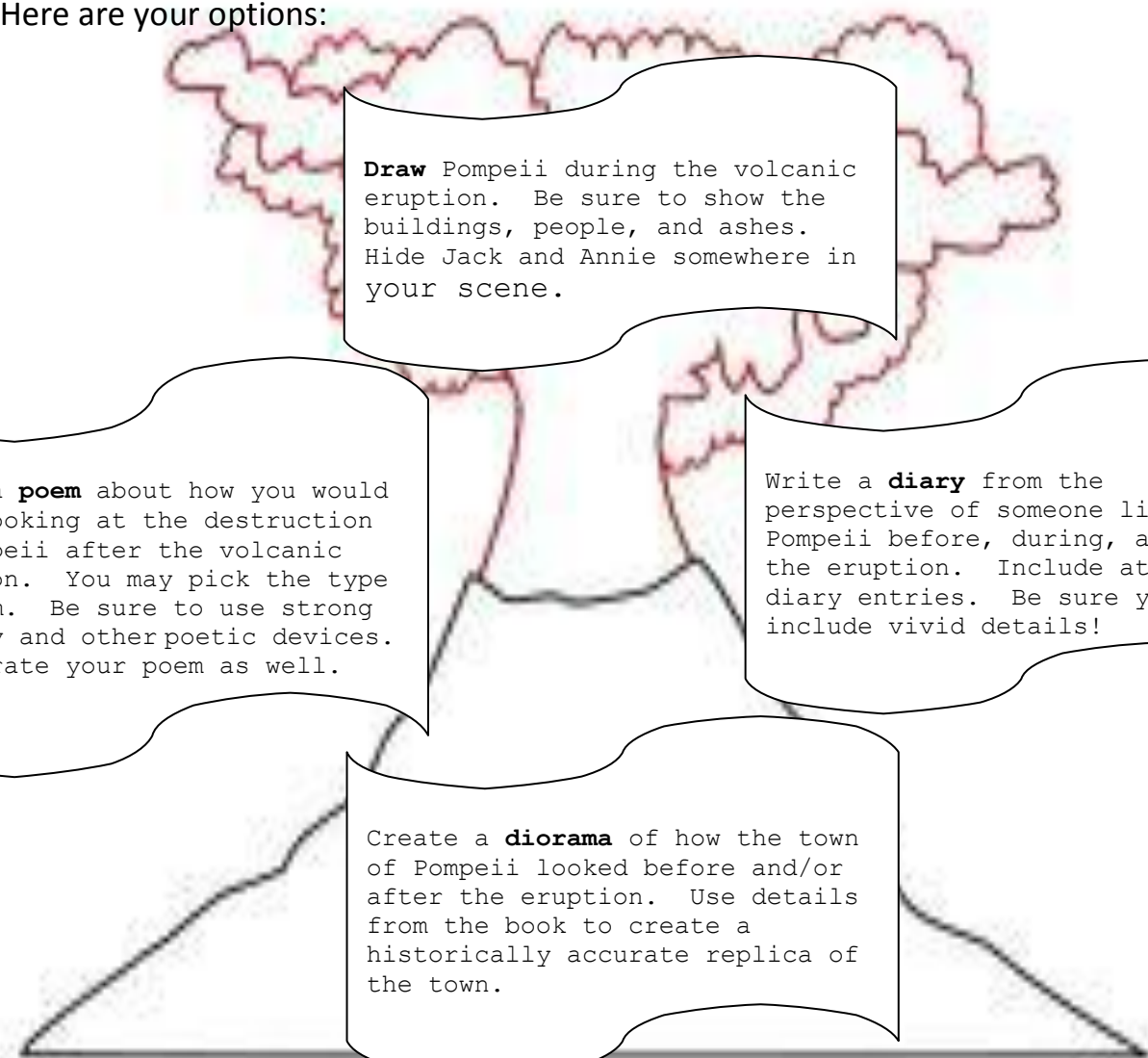
Compare the life of people from ancient Pompeii and people today using the Venn diagram below.



Name : _____ Date : _____

PICK A PROJECT!

Now that you've finished reading Vacation Under the Volcano, pick a project to share with the class. Here are your options:



Draw Pompeii during the volcanic eruption. Be sure to show the buildings, people, and ashes. Hide Jack and Annie somewhere in your scene.

Write a **poem** about how you would feel looking at the destruction in Pompeii after the volcanic eruption. You may pick the type of poem. Be sure to use strong imagery and other poetic devices. Illustrate your poem as well.

Write a **diary** from the perspective of someone living in Pompeii before, during, and after the eruption. Include at least 5 diary entries. Be sure you include vivid details!

Create a **diorama** of how the town of Pompeii looked before and/or after the eruption. Use details from the book to create a historically accurate replica of the town.

RUBRIC:

	3	2	1
Directions	Student followed all directions.	Student followed some directions.	Student followed few directions.
Detail	Student includes many important details from reading.	Student includes some important details from reading.	Student includes few or no important details from reading.
Creativity	Project is creative, unique, and relevant.	Project is somewhat creative, unique, and relevant.	Project is not creative, unique, or relevant.
Time	Student stayed on-task the whole time.	Student stayed on-task some of the time.	Student did not stay on task.

TOTAL: _____ / 12 = _____

COMMENTS:

Name: _____ Date: _____

Volcano Research Sheet

1. Name of volcano: _____

2. Location of volcano: _____

3. Height of volcano: _____

4. Type of volcano: _____

5. Date of the last eruption: _____

6. Description of the last eruption: _____

7. Description of a famous eruption (if available): _____

8. Three more interesting facts:

- _____

- _____

- _____

9. Sketch a picture of your volcano.



Volcano Summary Sheet

By: _____

Volcano Summary Sheet

By: _____

Class Ring of Fire Rubric			
Name: _____		Volcano: _____	
	3	2	1
Research	Research sheet is fully completed with details.	Research sheet is completed with some details.	Research sheet is incomplete and without details.
Writing Process	Student completes, revises, and edits rough draft.	Student completes rough draft with few edits or revisions.	Student does not complete, revise, or edit rough draft.
Volcano Summary Sheet	Final draft is neat. Reflects research and revisions from rough draft. Writing is organized.	Final draft is neat. Reflects some research and some revisions from rough draft. Writing is mostly organized.	Final draft is incomplete and sloppy. It does not reflect research. Writing is disorganized.
Volcano Model	Model is creative and includes scientific details.	Model is creative and shows a generic volcano.	Model is not creative and does not resemble a volcano.
Time Management	Time was used wisely throughout the project.	Time was used wisely for most of the project.	Time was rarely used wisely during the project.
Total: _____/15=_____		Comments: _____	

Class Ring of Fire Rubric			
Name: _____		Volcano: _____	
	3	2	1
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Total: _____/15=_____		Comments: _____	

Student Grading Rubrics: Use these to send grade reports home. Multiple are on a page to save paper!

Literature Circles Rubric

Name: _____ Book Title: Vacation Under the Volcano

Tracks text while listening	Prepared to read	Participates in discussion/ Reading guide	Controls voice/body	Uses time wisely	Shows cooperation	Total Points	Comments:
____/10	____/10	____/10	____/10	____/10	____/10	____/60=____	

Literature Circles Rubric

Name: _____ Book Title: Vacation Under the Volcano

Tracks text while listening	Prepared to read	Participates in discussion/ Reading guide	Controls voice/body	Uses time wisely	Shows cooperation	Total Points	Comments:
____/10	____/10	____/10	____/10	____/10	____/10	____/60=____	

Literature Circles Rubric

Name: _____ Book Title: Vacation Under the Volcano

Tracks text while listening	Prepared to read	Participates in discussion/ Reading guide	Controls voice/body	Uses time wisely	Shows cooperation	Total Points	Comments:
____/10	____/10	____/10	____/10	____/10	____/10	____/60=____	

Literature Circles Rubric

Name: _____ Book Title: Vacation Under the Volcano

Tracks text while listening	Prepared to read	Participates in discussion/ Reading guide	Controls voice/body	Uses time wisely	Shows cooperation	Total Points	Comments:
____/10	____/10	____/10	____/10	____/10	____/10	____/60=____	

Teacher Grading Rubric: Use this to document grades easily. Add more rows for more students.

Book Title: Vacation Under the Volcano

For each off-task behavior, mark off one number (starting with 10).

	Tracks text while listening	Prepared to read	Participates in discussion/ Reading guide	Controls voice/body	Uses time wisely	Shows cooperation
1.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
2.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
4.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
5.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
6.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
7.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
8.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
9.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
10.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
11.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
12.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
13.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
14.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
15.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
16.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
17.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
18.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
19.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
20.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
21.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
22.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
23.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
24.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1
25.	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1	10 9 8 7 6 5 4 3 2 1