

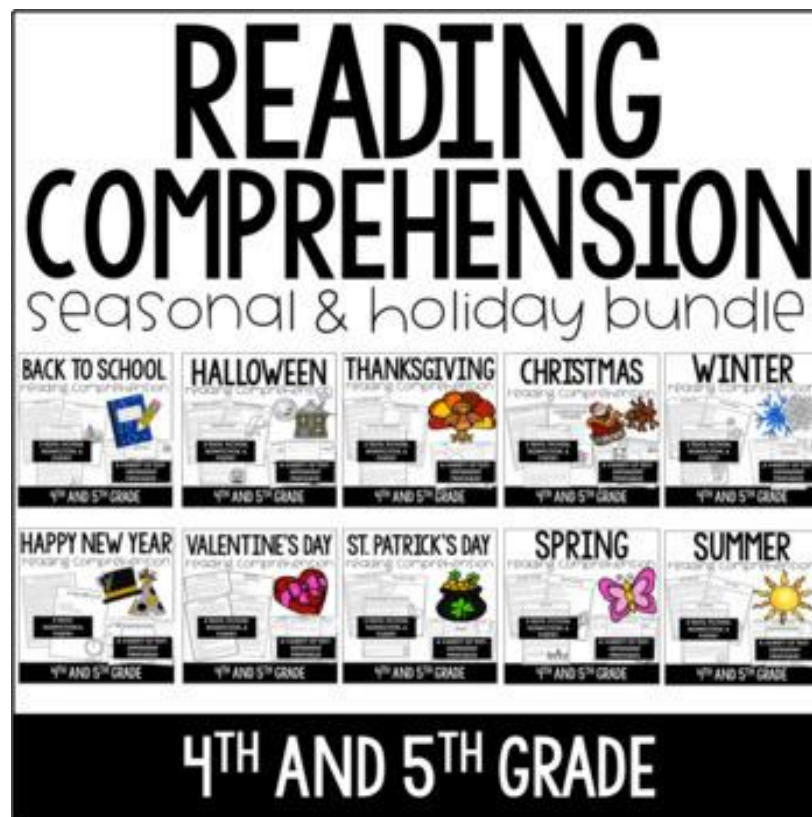
# ABOUT this Freebie

This free resource includes one nonfiction text about pi. This is perfect to use during the week of Pi Day!

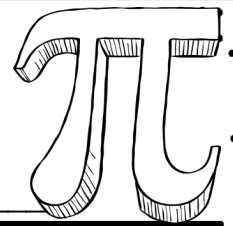
In addition to the reading passage, there are comprehension questions and skill-specific printables. You can choose the printables you wish to use based on your students' needs and pacing guide, or you can use them all. Using them all is the perfect way to get a lot of use out of a single passage.

If you like this style of reading activity, I have holiday and seasonal themed reading comprehension packs that are set up the same way. Each set has three passages (informational text, fiction text, and a poem) with a variety of printables to use with each text.

[Click here or on the image below to see the Holiday-/Seasonal-Themed Reading Comprehension Activities that are similar to this freebie!](#)



# All About PI



Name: \_\_\_\_\_ Date: \_\_\_\_\_

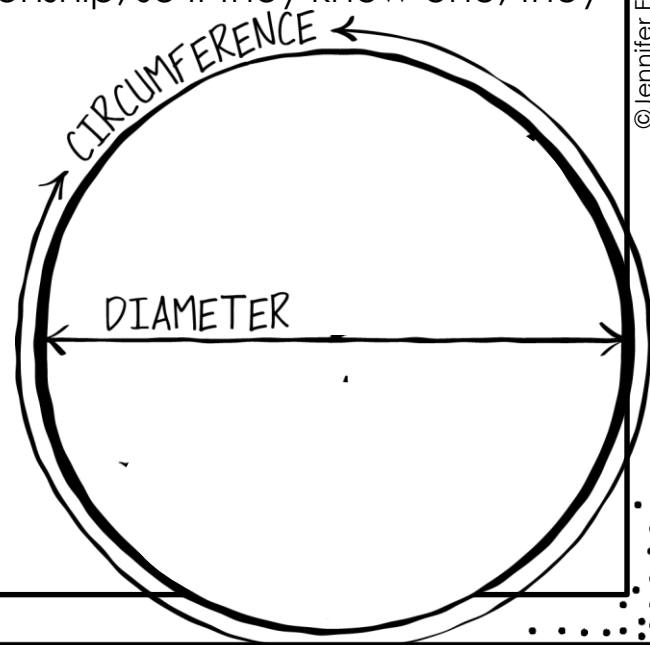
Do you know any irrational people? These are people that don't really follow the rules and might even be unpredictable. They're tough to deal with. Well, did you know that numbers can be irrational, too? They're not rude like irrational people might be, but irrational numbers can be difficult. That's because irrational numbers continue on forever in a random sequence. The sequence never repeats, and the number never ends. The only pattern is that there is no pattern. You can see how that might be a difficult number to work with!

Despite this, an irrational number is actually one of the most famous numbers of all. In fact, it has its own day of celebration! That irrational number, of course, is pi.

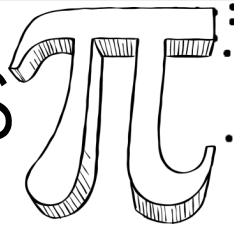
The value of pi is a little larger than 3.14. After the 4, as discussed, the numbers go on forever. Why is it so special? Why does it have a holiday? Well, pi has a very specific and helpful use. Pi is a ratio, which means that it's a number that you find by dividing one number by another number. In the case of pi, the two numbers are a circle's circumference and its diameter. Circumference is the distance around a circle, and the diameter is the distance across a circle. Divide the circumference by the diameter and you get pi.

Pi is an important number for understanding the measurements of a circle - any circle. Pi is a constant. This means that the relationship between a circle's circumference and diameter never changes. This relationship is the same for every circle. Scientists and mathematicians can use pi to figure out missing information about any circle. They can use pi to figure out the circumference if they only know the diameter. They can figure out the diameter if they only know the circumference. Pi tells them the relationship, so if they know one, they can figure out the other.

Look at it this way. Say the ratio of boys to girls in your class has to stay at 5 boys to 10 girls. Let's say that your boy count increased to 10. In that case, you know that you'd have to increase to 20 girls, right? The ratio helped you take one piece of information and figure out another. Pi does the same thing. It's an incredibly valuable and helpful tool. That's why, even though it's irrational, pi has its own holiday.



# Comprehension Questions

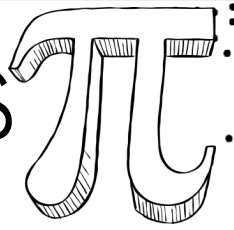


Name: \_\_\_\_\_ Date: \_\_\_\_\_

Answer each question using evidence from the text to support your answer.

1. According to the text, what are irrational numbers?
2. How is pi calculated?
3. Compare and contrast circumference and diameter.
4. How is pi used by scientists and mathematicians?

# Comprehension Questions

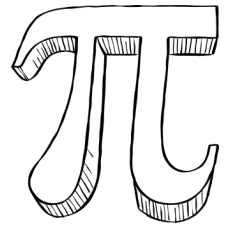


Name: Answer Key Date: \_\_\_\_\_

Answer each question using evidence from the text to support your answer.

1. According to the text, what are irrational numbers?  
Irrational numbers are numbers that continue on forever in a random sequence.
2. How is pi calculated? Pi is calculated by dividing a circle's circumference by its diameter.
3. Compare and contrast circumference and diameter. Both circumference and diameter are measurements of distance involving circles. Circumference is the distance around the circle. Diameter, on the other hand, is the distance across a circle.
4. How is pi used by scientists and mathematicians? Pi is used to determine missing information about any circle.

# What's the Main Idea?

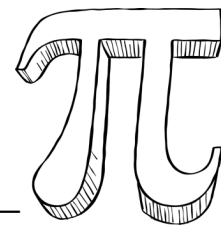


Name: \_\_\_\_\_ Date: \_\_\_\_\_

Write the main idea of each paragraph in the table.

| Paragraph | Main Idea |
|-----------|-----------|
| 1         |           |
| 2         |           |
| 3         |           |
| 4         |           |
| 5         |           |

# What's the Main Idea?



Name: \_\_\_\_\_ Date: \_\_\_\_\_

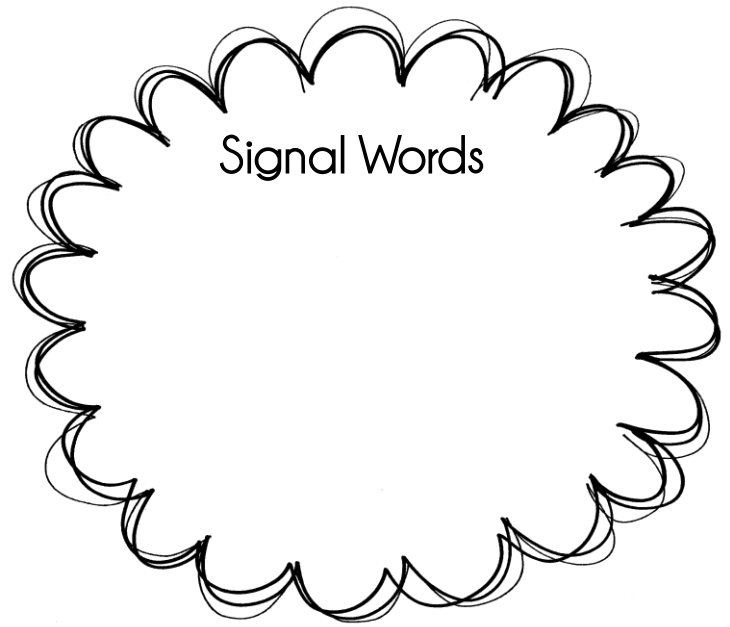
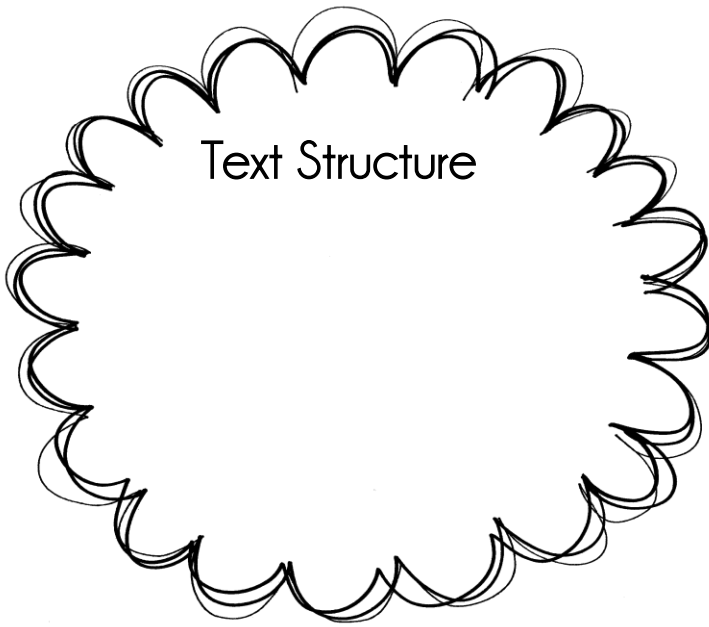
Write the main idea of each paragraph in the table.

| Paragraph | Main Idea   |
|-----------|---|
| 1         | In a similar manner as people, numbers can be irrational if they fit the characteristics. |
| 2         | The most famous irrational number is pi.  |
| 3         | Pi is a ratio that is a little larger than 3.14.  |
| 4         | Pi is important because it helps with understanding the measurement of any circle.        |
| 5         | Pi is a valuable and helpful tool.  |

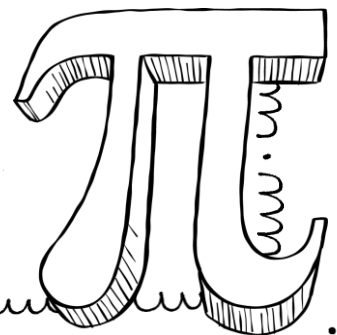
# What's the Text Structure?

Name: \_\_\_\_\_ Date: \_\_\_\_\_

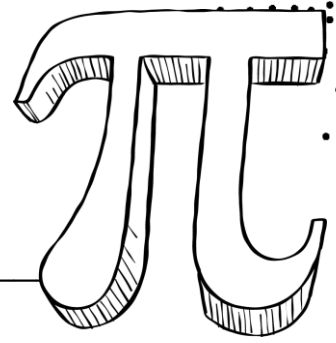
Determine the text structure used by the author.



Additional Evidence  
(Written Explanation or Completed Graphic Organizer)



# IS PI WORTHY?



Name: \_\_\_\_\_ Date: \_\_\_\_\_

In your opinion, is pi worthy of having its own holiday? Write an opinion piece that clearly supports your opinion. Use details from the text to support your opinion.

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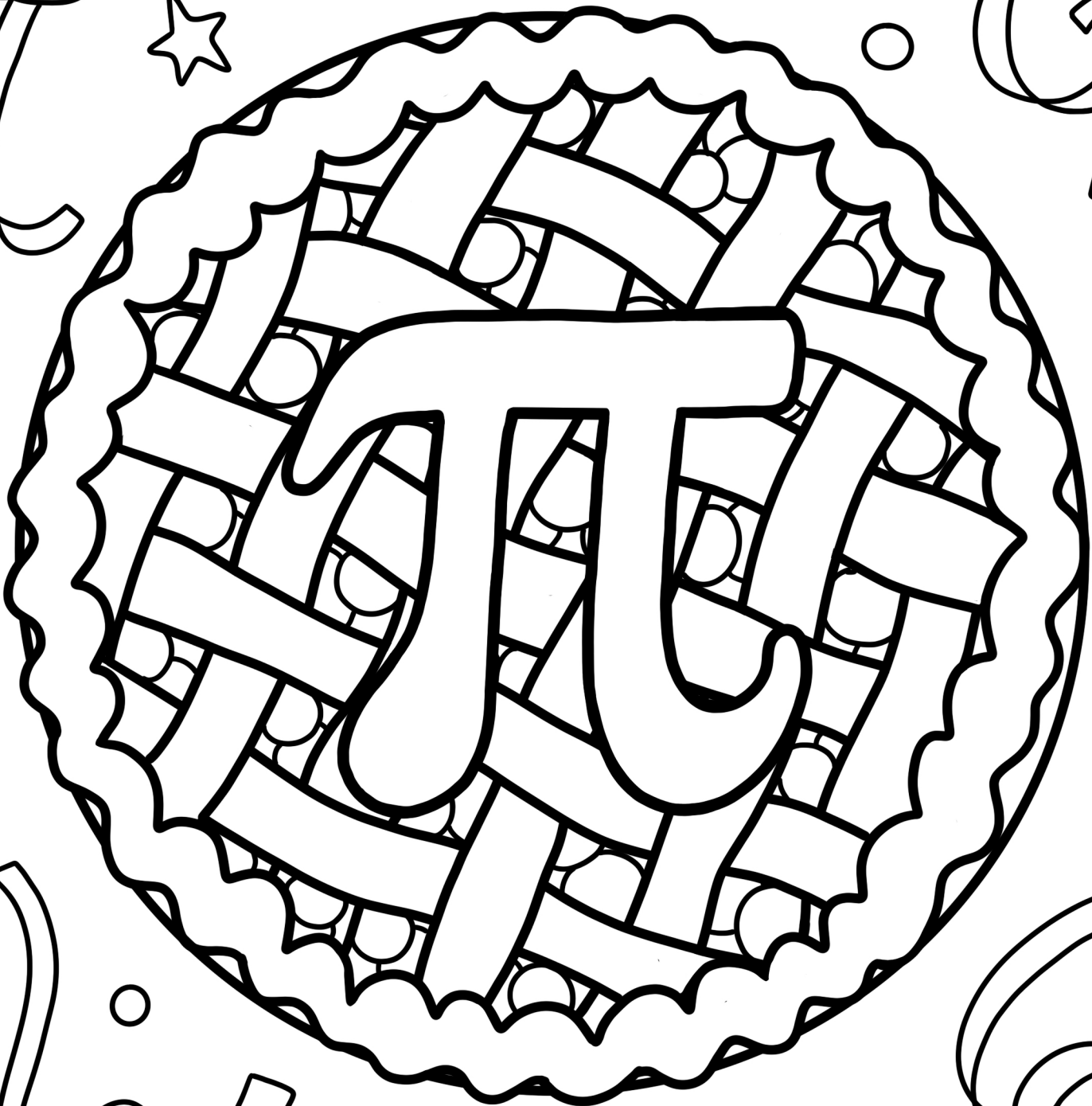
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Pi Day!



3.14

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Thanks!  
Jennifer Findley

