Introduction to Negative Numbers
Read the following introduction and answer the questions that follow:
Welcome to this comprehensive guide on negative numbers! In this document, we will explore the concept of negative numbers, their properties, and real-world applications. By the end of this guide, you will be able to confidently work with negative numbers and apply your knowledge to solve problems in various contexts.
1. What is the main topic of this guide?
2. What will you be able to do by the end of this guide?
What are Negative Numbers?
Read the following text and answer the questions that follow:
Negative numbers are numbers that are less than zero. They are used to represent debts, temperatures below zero, and other real-world quantities. Negative numbers can be represented on a number line, with the negative numbers to the left of zero and the positive numbers to the right.
1. What are negative numbers?
2. Give an example of a real-world $q^{page}_{u}$ that can be represented by a negative number.

Properties of Negative Numbers
Read the following text and answer the questions that follow:
<ul> <li>Negative numbers have several important properties, including:</li> <li>They are less than zero</li> <li>They can be added, subtracted, multiplied, and divided just like positive numbers</li> <li>When adding two negative numbers, the result is always negative</li> </ul>
When multiplying two negative numbers, the result is always positive
1. What is one property of negative numbers?
2. What is the result of adding two negative numbers?
Real-World Applications of Negative Numbers
Read the following text and answer the questions that follow:
Negative numbers have numerous real-world applications, including:
<ul> <li>Finance: Negative numbers are used to represent debts and losses</li> <li>Science: Negative numbers are used to represent temperatures below zero and to model phenomena such as friction and gravity</li> <li>Engineering: Negative numbers are used to design and optimize systems, such as bridges and buildings</li> </ul>
Give an example of a real-world application of negative numbers in finance.
2. How are negative numbers used ip കൂട്രില്പാരേ?

Practice Exercises
Complete the following exercises:
1. What is the definition of a negative number?
2. Compare and order the following negative numbers: -3, -1, -2
3. Perform the following operation: -2 + (-3)
4. What is the product of -2 and -3?
5. A bank account has a balance of -\$50. If \$20 is deposited into the account, what is the new balance?
Activities
Complete one of the following activities:
1. Create a number line that includes positive and negative numbers
2. Write a short story that incorporates negative numbers

i				

Quiz	
omplete the following	g quiz:
1. What is the resu	It of adding -2 and -3?
2. What is the resu	lt of multiplying -2 and -3?
3. What is the bala	nce of a bank account that has a balance of -\$50 and \$20 is deposited into it?
4. What is the temp	perature of a substance that is 5 degrees below zero?
5. What is the resu	It of dividing -6 by -2?
nswer Key	
heck your answers w	ith the following answer key:
15	Page 1-7
2. 6 3\$30	
45°C 5. 3	

Conclusion
Read the following conclusion and answer the questions that follow:
In conclusion, negative numbers are an essential concept in mathematics that has numerous real-world applications. By understanding the properties and applications of negative numbers, you can solve problems and make informed decisions in various contexts. We hope that this guide has provided you with a comprehensive understanding of negative numbers and has helped you to develop your problem-solving skills.
1. What is the main idea of this conclusion?
2. What can you do by understanding the properties and applications of negative numbers?
Extension Activities
Complete one of the following extension activities:
1. Research and present on a real-world application of negative numbers
2. Create a project that involves negative numbers, such as a budget or a temperature graph
3. Design a game that involves negative numbers and play it with your classmates
Page 1-7

ssary		 	
ne the following to	erms:		
Negative numb	er:		
Number line:			
Absolute value:			
late we w		 	 
Integer:		 	
• Rational number	.r.	 	