Introduction (5 minutes)	
Read the introduction to the topic of relations and functions, an	d answer the following questions:
1. What are relations and functions, and why are they impo	rtant in mathematics?
2. What are some real-life applications of relations and fun	ctions?
t	
Lesson Objectives (5 minutes)	
Read the lesson objectives, and answer the following questions	:
1. What are the main objectives of this lesson?	
2. How will you achieve these objectives by the end of the	lesson?

Read	about the different types of relations, and answer the following questions:
1.	What is a reflexive relation? Give an example.
2.	What is a symmetric relation? Give an example.
3.	What is a transitive relation? Give an example.
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Func	etions (15 minutes)
	about functions, and answer the following questions:
1.	What is a function? Give an example.
2.	How does a function differ from a relation?

Real-Life Applications (15 minutes)
Read about the real-life applications of relations and functions, and answer the following questions:
1. How are relations and functions used in computer science?
2. How are relations and functions used in physics?
2. How we relations and functions used in ancincering?
3. How are relations and functions used in engineering?
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Practice Questions (15 minutes)
Answer the following practice questions:
What is a relation on a set? Give an example.
2. What is the difference between a reflexive and an irreflexive relation?
3. What is a symmetric relation? Give an example.

	ities (20 minutes)
Comp	lete the following activities:
1. (Create a concept map to illustrate the different types of relations.
	Solve problems involving relations and functions, such as finding the domain and range of a function.
Exten	nsion Activities (20 minutes)
Comp	lete the following extension activities:
	Research and present on a real-life application of relations and functions, such as modeling population growth or financial transactions.

mplete the fol	owing assessme	nt:				
1. Written tes	t to assess under	rstanding of relat	ions and function	າຣ		
2 Project-ha	ed assessment t	to evaluate applic	eation of knowled			
Z. I Toject ba						
nclusion (5	minutes)					
		he following ques	tions:			
ad the conclus	ion, and answer t	he following ques				
	ion, and answer t	he following ques take away from t				
ad the conclus	ion, and answer t					
ad the conclus	ion, and answer t					
ad the conclus	ion, and answer t	take away from t	this lesson?			
ad the conclus	ion, and answer t		this lesson?	in real-life sco	enarios?	
ad the conclus	ion, and answer t	take away from t	this lesson?	in real-life sco	enarios?	

ead the glossary	, and answer the	following quest	tions:		
1. What is a re	elation?				
2. What is a fu	inction?				
3. What is a re	eflexive relation?				