igned to introdu	iting world of linear equations and inequalities! This interactive math adventure is se 7th-grade students to the fundamentals of solving linear equations and inequalitie ames and challenges.	S
1. What is a line	ar equation?	
2. Solve for x: x	+ 2 = 7	
3. What is a line	ar inequality?	

nd and solve the	e following linear e	quations:		
1. Solve for x:	2x + 5 = 11			
2. Solve for x:	x - 3 = 2		 	
3. Solve for x:	4x = 20		 	
!			 	

equality	Match (15	minutes)				
atch the fo	ollowing ined	qualities with	their solu	ıtions:		
1. Match	the inequa	ity x + 2 < 7	with its so	olution		
2. Match	the inequa	ity 3x ≥ 12 v	vith its sol	lution		
3. Match	the inequa	ity 2x - 1 ≤ 5	with its s	olution		
L						 

lve the followi	ng story problems:		
1. Tom has \$	15 to spend on video games	Each game costs \$5. How man	y games can Tom buy?
		ay. They sell a combination of w than white bread loaves, how m	

rapning Lin	ar Equations (20 minutes)		
aph the follo	ving linear equations on a coordina	ate plane:	
1. Graph the	equation $y = 2x + 3$		
2. Graph the	equation $x + y = 4$		 

sses	ssment (20 minutes)
ass	ess your understanding of linear equations and inequalities, complete the following quiz:
1. S	Solve for x in the equation 2x + 5 = 11
2. 8	Solve the inequality $3x - 2 > 7$
3. 0	Graph the equation y = 2x + 3 on a coordinate plane
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Extension Activities (20 minutes)
For additional practice and challenge, try the following extension activities:
1. Create your own linear equation puzzle
2. Research and present on a real-world application of linear equations and inequalities
3. Design and create a math escape room focused on linear equations and inequalities

efine the following terms:			
1. Linear equation			
2. Linear inequality			
<u> </u>	 		
3. Variable			

eview (20 mi	nutes)			 
eview the steps	to solve a linear eq	uation and inequ	ality:	
1. Review the	steps to solve a lin	ear equation		
2 Poviow the	steps to solve a lin	poor inequality		 
Z. Review the				 
3. Review the	concept of graphir	ng linear equatio	ns	

onc	nclusion (10 minutes)	
nat (	at did you learn about linear equations and inequalities?	
1. \	What did you learn about linear equations and inequalities?	
1		
2.	2. How can you apply linear equations and inequalities in real-life situations?	
1		
3. '	3. What are some challenges you faced while learning about linear equations a	and inequalities?