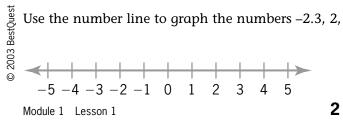
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	Module 1 Getting Ready for Algebra	R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.R.
	Module 1 Lesson 1Getting Ready for Algebra Defining Sets and Real NumbersGU	ided otes
	Lesson Objectives	and a second
	 Use appropriate set notation. Use Venn Diagrams to show set relationships. Describe sets of numbers. Classify numbers. Graph numbers on a number line. 	Alexand .
	A set is a collection of objects.	
	The symbol \in means "is an of."	
	The symbol \subset means "is a of."	
	1 Name an element of set X	
	2 Name a subset of set Y	
	Sets that have no elements in common are called	
	A Venn diagram uses and to show	
	the relationship of sets.	
	Are sets A and X disjoint?	
	The of two or more sets is the set of elements those sets	
	have in common.	
	This is shown in a Venn diagram when circles	
	The symbol \cap is used to show an intersection.	
	The of two or more sets is the set of all the elements	
	contained in those sets.	
	The symbol \cup is used to show a union. N = {1, 2, 3, 4,} is a listing of the numbers.	
	Module 1 Lesson 1 1	Guided Notes

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Another name for nat	ural numbers is	numbers.
The	numbers are the ele	ements of the set of natural
numbers and zero.		
The set of	numbers is re	presented by the letter W.
The set of	includes all th	ne whole numbers and their
opposites. The letter $_$	is often used to re	epresent the set of integers.
Write an example of	of how negative integers a	are used in the real world?
The rational numbers	can be written as Q =	
A ratio is another nam	ie for a	and belongs to the set of
r	numbers.	
5 Where could you s	ee rational numbers used	in the real world?
The set of real number	rs that are not rational	is called
numbers.		
Irrational numbers inc	clude numbers such as	
		mbers and the irrational
		numbers. This set is
represented by the lett		
Use the space below to	araw the Venn diagra	m of the real numbers.
Use the number line to	o graph the numbers –2	2.3.2. $\sqrt{8}$ and $\frac{1}{2}$
	g-spin the mannoeld 2	, , , , , , , , , , , , , , , , ,



Guided Notes