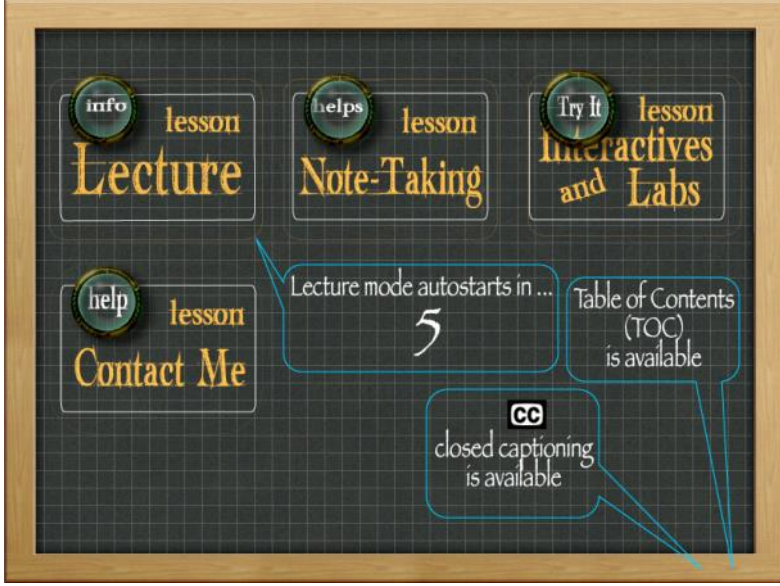
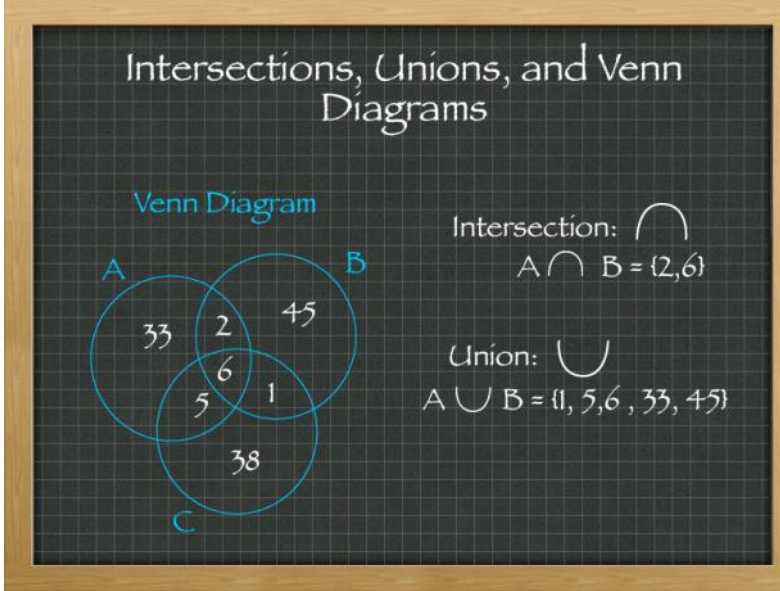


# Intersection of Sets\_ Union of Sets\_ Venn Diagrams

Friday, November 15, 2013  
10:49 AM

Slide	Notes
	
	<p>Venn diagrams are used in more than just math. It is a great way to organize data that might overlap.</p> <p>Here we have three circles that overlap. There are sections where a number is in both circles and there are numbers that only exist in a single circle. We can show the number data by using intersection and union symbols.</p> <p>Intersections show what numbers or other objects are shared by both circles. Here the 2 and 6 exist in both the A and the B circles.</p> <p>Unions show all the contents in the circles that are indicated in the union statement.</p>

You can use the clues to figure out where the numbers go.

Venn Diagram

$A \cap B = \{2, 6\}$   
 $C \cap B = \{1, 6\}$   
 $A \cap C = \{5, 6\}$   
 $A \cup B = \{1, 2, 5, 6, 33, 45\}$   
 $C \cap B = \{1, 5, 6, 38, 45\}$

Undo Reset Submit

Sudoku

Each square of nine numbers can only have a number 1 to 9 one time. The same goes for columns and rows. Try to complete the spaces that are left to go by dragging the numbers to the blanks.

		5	4	1	6	9	2	7
2			8	5	7	4	3	1
	1		2	9	3	6	5	8
		9	1	3	4	7	8	2
		3	6	7	8	5	4	9
7	4		5	2	9	1	6	3
6			7	8	1	3	9	4
		1	3	4	5	2	7	6
3	7		9	6	2	8	1	5

1	2	3	4
5	6	7	8
9			

Submit  
Undo  
Reset

Congratulations!  
You have completed  
this topic

Give us feedback about  
this lesson if you wish...

[lesson](#)  
[Contact Me](#)