

Warm Up: Alg 2

8/29

None.

Feb 27-7:39 AM

W.A.L.T.:

Connect our understanding of Venn Diagrams to probability problems.

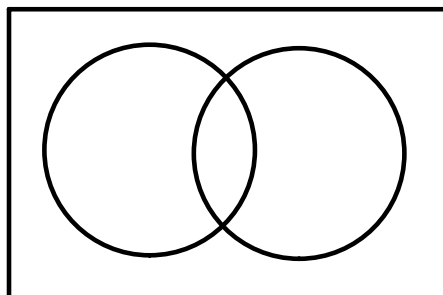
W.A.S.I.:

We can use the venn diagram to draw the sample space and translate the pictures into probabilities.

Mar 7-9:45 AM

Notes!!! Venn Diagrams

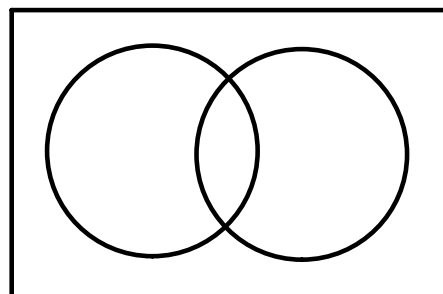
At their most basic a Venn Diagrams looks like this:



Dec 31-10:01 PM

Notes!!! Venn Diagrams

We can use the information in the venn diagram to calculate probabilities if we know how to read or work with the venn diagram.



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Reminder!!! Sample Space

The sample space is the set of all possible outcomes.

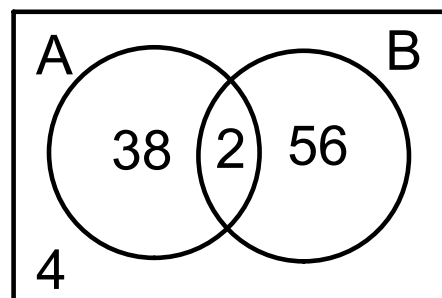
We can write it with these: { sample space }

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Notes!!! Venn Diagrams and Sample Space

Instead of writing the sample space inside the brackets { }, we can use the venn diagram.

Everything inside the rectangle is in the sample space.

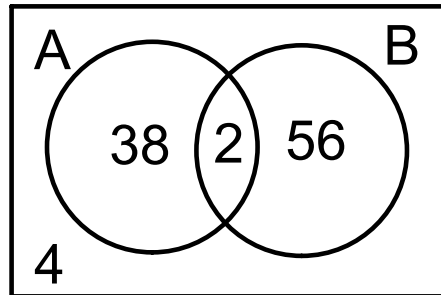


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Notes!!! Venn Diagrams and Sample Space

There are a total of 100 possible outcomes in this venn diagram.

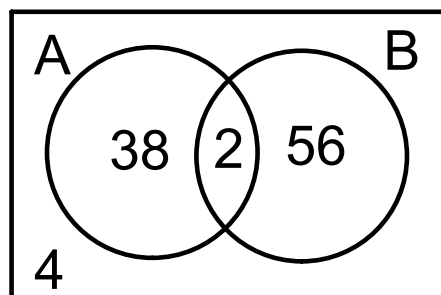
$$38 + 2 + 56 + 4 = 100$$



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Notes!!! Venn Diagrams and Probability

The middle part (2) is shared between both A and B.



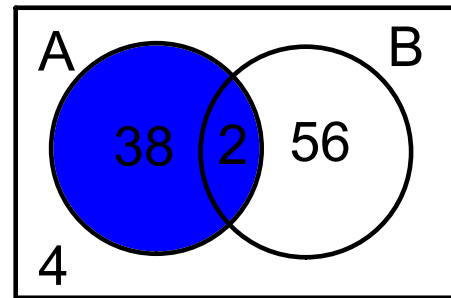
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Notes!!! Venn Diagrams and Outcomes

To get an outcome of A, you have to look at the circle A.

Notice that to get an outcome of A it includes the A and the part A shares with B.

How many would be in just A?



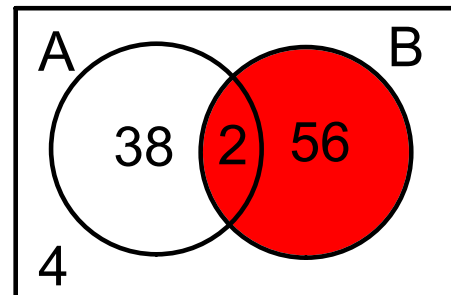
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Notes!!! Venn Diagrams and Outcomes

To get an outcome of B, you have to look at the circle B.

Notice that to get an outcome of B it includes the B and the part B shares with A.

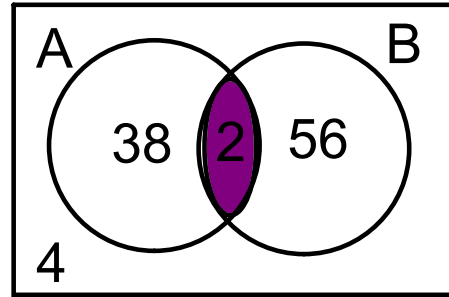
How many would be in just B?



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Notes!!! Venn Diagrams and Outcomes

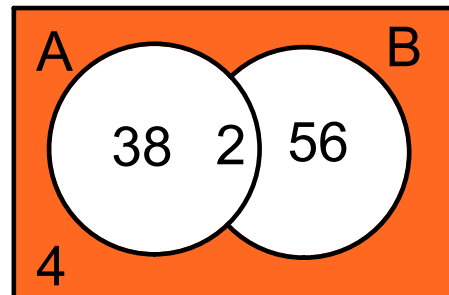
To get an outcome of A and B, you have to look at what is shared between them.



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Notes!!! Venn Diagrams and Outcomes

To get an outcome of neither A or B, you have to look at what is not in the circles.



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In Class Work:

Venn diagram practice

Mar 7-1:33 PM

Today's Activities:

- Notes

P.W. for tonight:

- Worksheet - Venn Diagram Practice #1 - 3

Day 4

Dec 31-9:59 PM