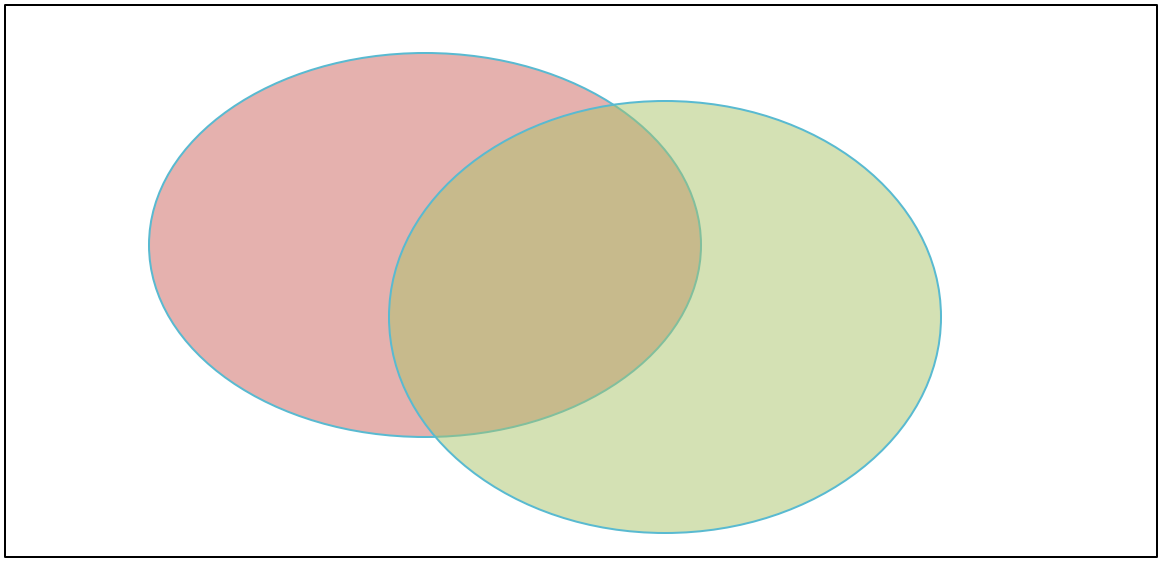
Probability Activity Name_____

1) The probability space shown below shows all the possible outcomes on a given day when Sheedy plays Quentin at Madden Football and when ARod plays Quentin at Madden Football. The probabilities we know are

P(A) = Probability that ARod will beat Quentin = 0.78

P(S) = Probability that Sheedy will beat Quentin = 0.84

Fill out the Venn Diagram below labeling every possible outcome including its probability.



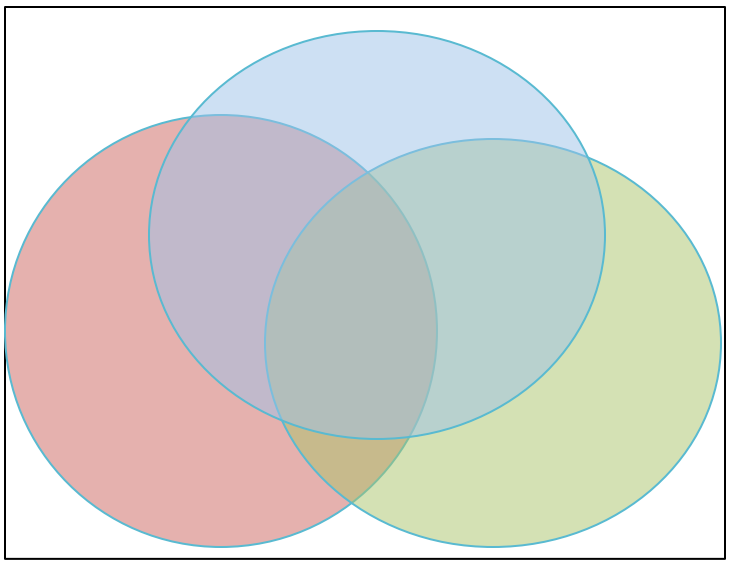
2) The probability space shown below shows all the possible outcomes on a given day when Jake, Parker and/or Josh are playing games on their iPads. The probabilities we know are

P(L) = Probability that Parker is playing a game on his iPad = 0.48

P(S) = Probability that Jake is playing a game on his iPad = 0.84

P(F) = Probability that Josh is playing a game on his iPad = 0.97

Fill out the Venn Diagram below labeling every possible outcome including its probability.



Given the table below (blood types and Rh factors) answer the following questions

		Rh Factor		
		+	-	**Totals**
Blood Type	O	3885	840	**4725**
	A	3465	735	**4200**
	B	945	210	**1155**
	AB	315	105	**420**
	Totals	**8610**	**1890**	**10500**

3) Selecting one person at random from this group, find the probability of getting someone
   a) With Blood Type A

   b) With Rh Factor –

   c) With Blood Type AB or Rh Factor +

   d) With Blood Type O or Rh Factor –

4) Selecting someone at random from only those with Rh Factor + find the probability of selecting someone with Blood Type AB