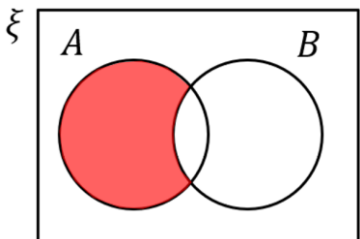
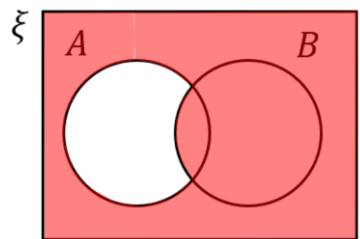
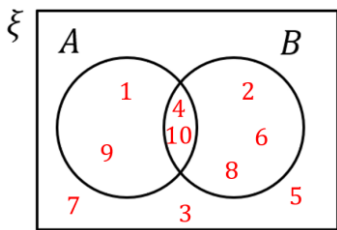
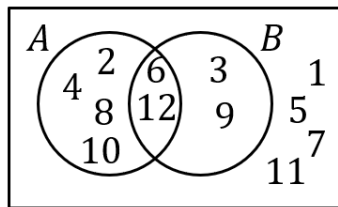
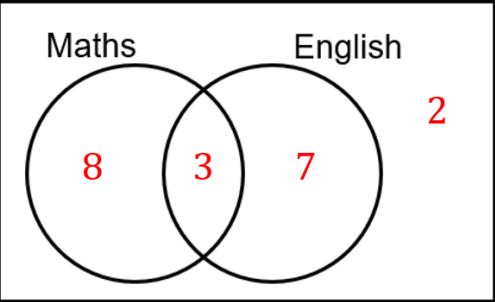
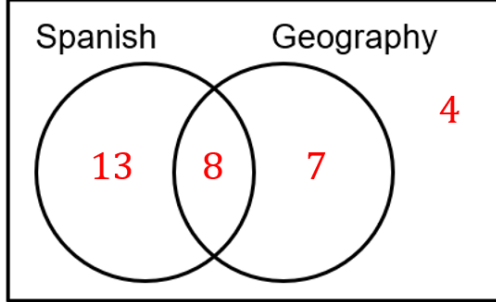


Sets and Venns Revision

<p>(a)</p> <p>$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ $A = \{1, 2, 3, 4, 5, 6\}$ $B = \{\text{even numbers}\}$ List the members of $A \cap B$</p> <p style="text-align: center; color: red;">{2, 4, 6}</p>	<p>(b)</p> <p>$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ $A = \{\text{factors of 9}\}$ $B = \{\text{multiples of 4}\}$ List the members of $A \cup B$</p> <p style="text-align: center; color: red;">{1, 3, 4, 8, 9}</p>	<p>(c)</p> <p>$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ $A = \{\text{factors of 9}\}$ $B = \{\text{multiples of 4}\}$ Anna says that $A \cap B = \emptyset$. Is she correct?</p> <p style="text-align: center; color: red;">Yes</p>	<p>(d)</p> <p>$A = \{1, 3, 5, 7, 9\}$ $A \cap B = \{1, 3\}$ $A \cup B = \{0, 1, 2, 3, 4, 5, 7, 9\}$ List the members of B</p> <p style="text-align: center; color: red;">{0, 1, 2, 3, 4}</p>
<p>(e)</p> <p>Shade the region which represents $A \cap B'$</p> 	<p>(f)</p> <p>Shade the region which represents $A' \cup B$</p> 	<p>(g)</p> <p>Show in a Venn diagram. $\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ $A = \{1, 4, 9, 10\}$ $B = \{2, 4, 6, 8, 10\}$</p> 	<p>(h)</p> <p>List the members of B' and $A' \cap B'$</p>  <p style="text-align: center; color: red;">$B' = \{1, 2, 4, 5, 7, 8, 10, 11\}$ $A' \cap B' = \{1, 5, 7, 11\}$</p>
<p>(i)</p> <p>In a group of 20 students, 11 like Maths and 10 like English. 2 like neither subject.</p> <p>(a) Complete the Venn diagram.</p> <p>(b) How many students like Maths but not English?</p>		<p>(j)</p> <p>There are 32 students in a class. 21 students like Spanish and 15 like Geography. There are twice as many students who like both subjects as like neither.</p> <p>(a) Complete the Venn diagram.</p> <p>(b) How many students like only Spanish?</p>	
 <p style="text-align: center; color: red;">8</p>		 <p style="text-align: center; color: red;">13</p>	