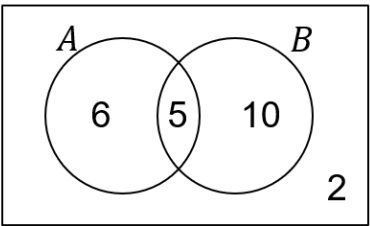
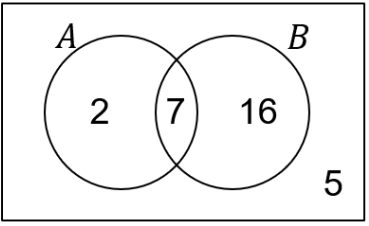
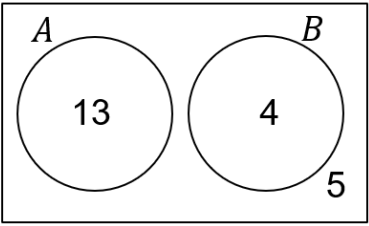


## Set Notation and Venn Diagrams

In each question, the values represent the number of elements in each set.

(a)	(b)	(c)
 <p>Write down:</p> <p>(a) <math>n(A \cap B)</math>            (b) <math>n(A)</math>            (c) <math>n(B')</math>            (d) <math>n(\xi)</math></p>	 <p>Write down:</p> <p>(a) <math>n(B)</math>            (b) <math>n(A')</math>            (c) <math>n(A \cup B)</math>            (d) <math>n(A \cap B')</math></p>	 <p>Write down:</p> <p>(a) <math>n(A \cap B)</math>            (b) <math>n(A')</math>            (c) <math>n(\xi)</math>            (d) <math>n(A' \cap B')</math></p>
(d)	(e)	(f)
<p style="text-align: center;"> <math>n(A \cap B) = 5</math>  <math>n(A) = 13</math>  <math>n(A \cup B) = 16</math>  <math>n(\xi) = 20</math> </p> <p style="text-align: center;">Draw a Venn diagram to represent this information.</p>	<p style="text-align: center;"> <math>n(A \cap B) = 7</math>  <math>n(A) = 13</math>  <math>n(B) = 10</math>  <math>n(B') = 10</math> </p> <p style="text-align: center;">Draw a Venn diagram to represent this information.</p>	<p style="text-align: center;"> <math>n(A \cap B) = 10</math>  <math>n(A \cup B) = 18</math>  <math>n(A) = 13</math>  <math>n(\xi) = 20</math> </p> <p style="text-align: center;">Draw a Venn diagram to represent this information.</p>
(g)	(h)	(i)
<p style="text-align: center;"> <math>n(A \cup B) = 20</math>  <math>n(A') = 15</math>  <math>n(A \cap B) = 6</math>  <math>n(B) = 16</math> </p> <p style="text-align: center;">Draw a Venn diagram to represent this information.</p>	<p style="text-align: center;"> <math>n(B) = 7</math>  <math>n(A) = 10</math>  <math>n(A \cup B) = 12</math>  <math>n(\xi) = 20</math> </p> <p style="text-align: center;">Draw a Venn diagram to represent this information.</p>	<p style="text-align: center;"> <math>n(A' \cap B') = 10</math>  <math>n(\xi) = 25</math>  <math>n(B) = 11</math>  <math>n(A) = 8</math> </p> <p style="text-align: center;">Draw a Venn diagram to represent this information.</p>