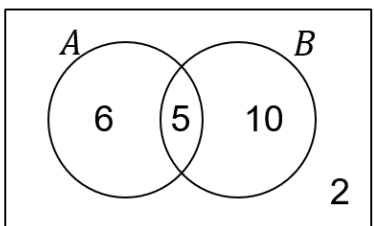
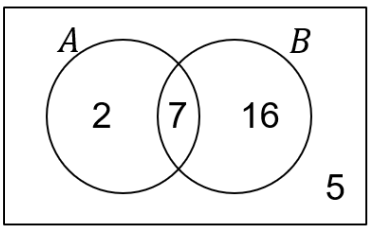
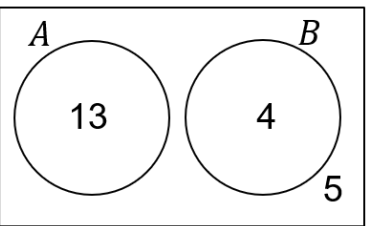
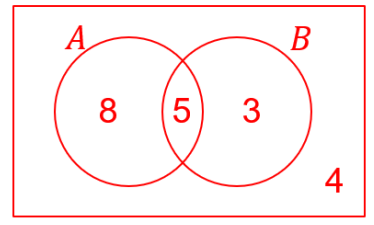
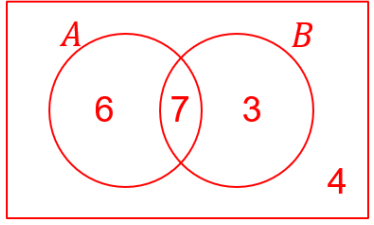
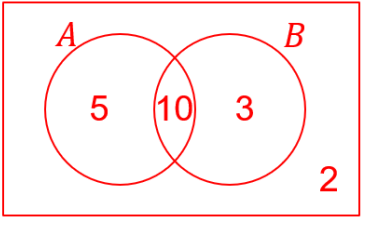
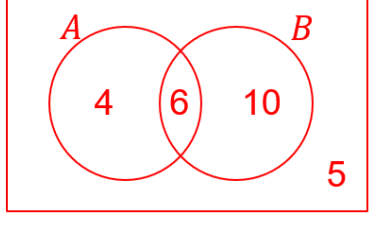
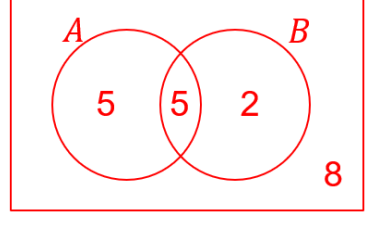


## Set Notation and Venn Diagrams

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>5</b></p> <p>(b) <math>n(A)</math>            <b>11</b></p> <p>(c) <math>n(B')</math>            <b>8</b></p> <p>(d) <math>n(\xi)</math>            <b>23</b></p>	 <p>Write down:</p> <p>(a) <math>n(B)</math>            <b>23</b></p> <p>(b) <math>n(A')</math>            <b>21</b></p> <p>(c) <math>n(A \cup B)</math>      <b>25</b></p> <p>(d) <math>n(A \cap B')</math>    <b>2</b></p>	 <p>Write down:</p> <p>(a) <math>n(A \cap B)</math>      <b>0</b></p> <p>(b) <math>n(A')</math>            <b>9</b></p> <p>(c) <math>n(\xi)</math>            <b>22</b></p> <p>(d) <math>n(A' \cap B')</math>    <b>5</b></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) = 15</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> 