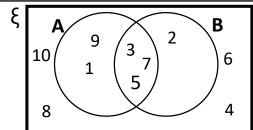


Timester Challenge **Venn Diagrams and Sets**





 $= \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$

List the numbers that are in set

= {*Even numbers*}

= {*Square numbers*}

Complete the Venn Diagram

- (a)
- **Universal Set**



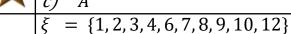










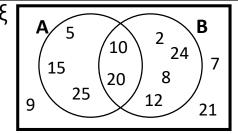


 $A = \{multiples \ of \ 3\}$

 $A \cap B = \{3,9\}$

 $A \cup B = \{1,3.6,7,9,12\}$

Draw a Venn diagram for this information

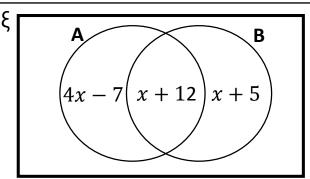


Write down the numbers that are in set

- a) $A \cap B$
- $A \cup B$







The Venn diagram gives information about the number of elements in the set A and in the set B.

Given that n(A) = n(B), find the value of x.



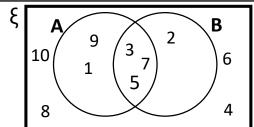






Timester Challenge **Venn Diagrams and Sets Answers**





List the numbers that are in set

- *A* {1,3,5,7,9}
- *B* {2,3,5,7}



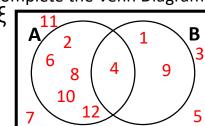
Universal Set {1,2,3,4,5,6,7,8,9,10}

$$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$$

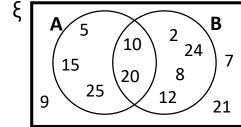
= {*Even numbers*}

= {*Square numbers*}

Complete the Venn Diagram



Bronze



Write down the numbers that are in set

- $A \cap B \{10,20\}$
- $A \cup B$ {2,5,8,10,12,15,20,24,25} Silver 🖈
- A' {2,7,8,9,10,12,20,21}

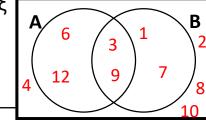
 $= \{1, 2, 3, 4, 6, 7, 8, 9, 10, 12\}$

 $A = \{multiples \ of \ 3\}$

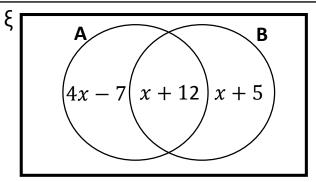
 $A \cap B = \{3,9\}$

 $A \cup B = \{1,3.6,7,9,12\}$

Draw a Venn diagram for this information



Silver



The Venn diagram gives information about the number of elements in the set A and in the set B.

Given that n(A) = n(B), find the value of x.



www.missbsresources.com