



MATHS

BOOKS - CHETANA MATHS (MARATHI ENGLISH)

Sets

Example

1. If $A = \{1, 3, 5\}$, $B = \{2, 4, 6\}$ then $A \cap B = ?$



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2. $A = \{x : x \text{ is a prime number and } 10 < x < 20\}$

,

write the set A using listing method.



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3. $B = \{-4, 4\}$. Write the set B using the rule method.



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4. If $U = \{1, 2, 3, 7, 8, 9, 20, 11, 12\}$,

$A' = \{1, 3, 7, 10\}$. then find A .



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5. If $A = \{1, 3, 5, 7\}$, $B = \{2, 3, 6, 8\}$ then show $A \cap B$ by venn diagram.



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6. If $n(A)=45, n(B)=52$ and $n(A \cup B)=70$. Then find $n(A \cap B)$



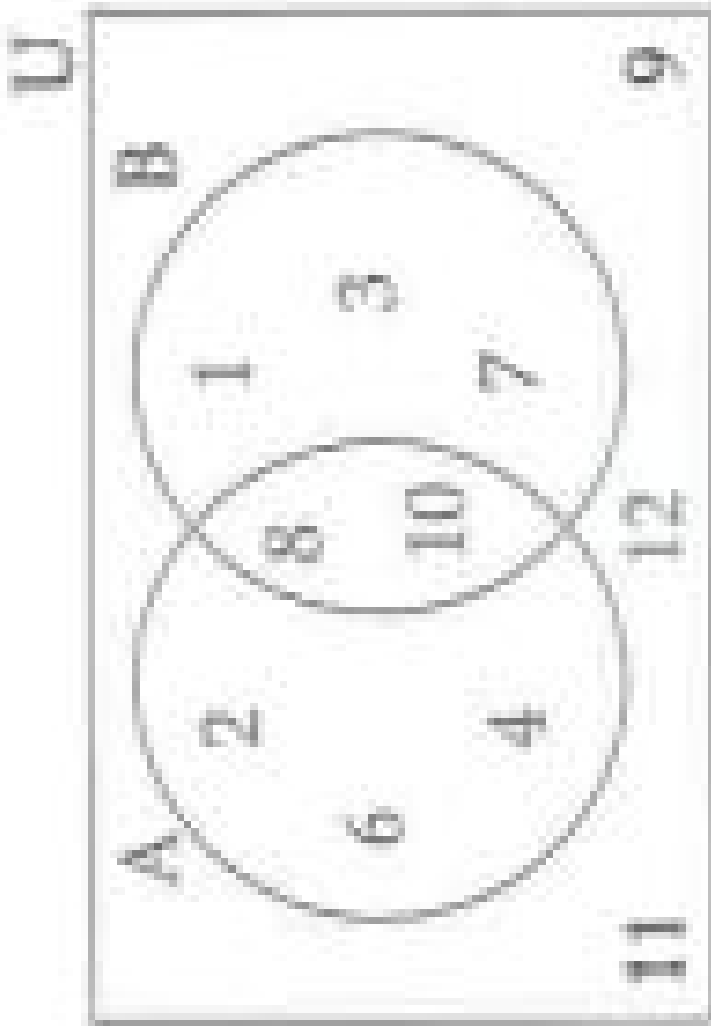
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7. If $A=\{1,7\}$, Then write all possible subsets of A.



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8. Observe the venn diagram and write the following sets in listing method:(i) U



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9. Observe the venn diagram and write the following sets in listing method:(ii) $A \cup B$



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10. Observe the venn diagram and write the following sets in listing method:(iii) A'



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11. Observe the venn diagram and write the following sets in listing method:(iv) $A \cap B$.



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12. If $A=\{1,2,3,4,5\}, B=\{2,3\}$ then draw Venn diagram for $A \cup B$



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13. Decide whether set A and set B are equal sets. $A = \{x \mid x \in \mathbb{N}, x < 2\}$, $B = \{x \mid x \text{ is a natural number but } x \text{ is neither prime nor composite}\}$.



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14. Represent the union of two sets by venn diagram. $A = \{2, 4, 6, 8\}$, $B = \{1, 4, 8, 10\}$.



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15. An information was gathered about 40 families is as follows: 9 families subscribe to english newspaper, 20 families subscribe to Marathi newspaper, 7 families to both the languages. Represent this information using venn diagram. Find the number of families not subscribing any newspaper.



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