

Name : \_\_\_\_\_

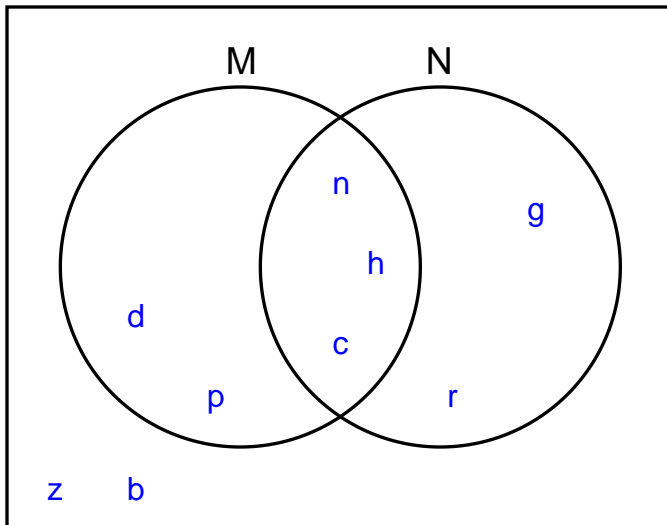
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Solve the Problems Using the Venn Diagrams

1)



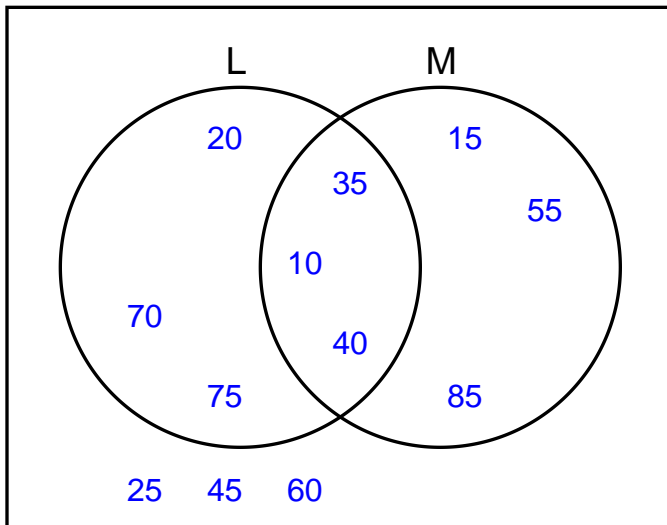
$$M' - N' = \underline{\hspace{2cm}}$$

$$N' - M = \underline{\hspace{2cm}}$$

$$M' - N = \underline{\hspace{2cm}}$$

$$(M \cup N)' = \underline{\hspace{2cm}}$$

2)



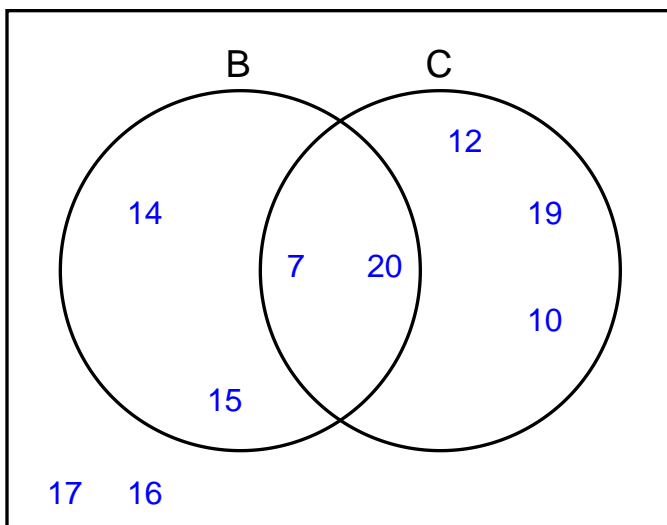
$$(L \cup M)' = \underline{\hspace{2cm}}$$

$$L - M = \underline{\hspace{2cm}}$$

$$L' \cup M = \underline{\hspace{2cm}}$$

$$(M - L)' = \underline{\hspace{2cm}}$$

3)



$$C - B' = \underline{\hspace{2cm}}$$

$$B - C' = \underline{\hspace{2cm}}$$

$$B \cap C' = \underline{\hspace{2cm}}$$

$$C = \underline{\hspace{2cm}}$$

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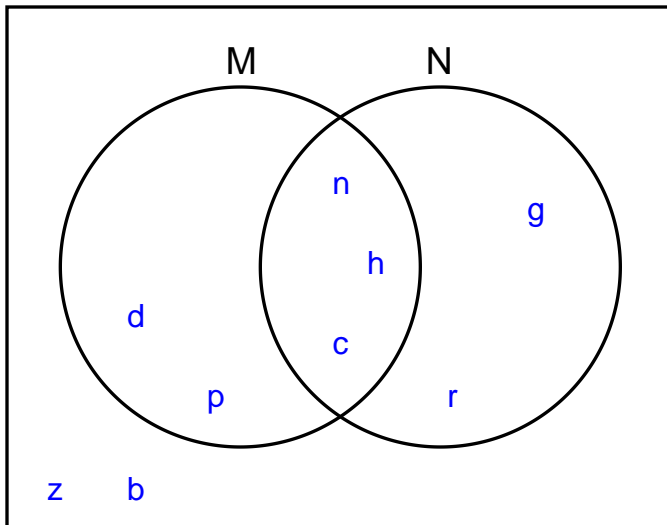
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## Solve the Problems Using the Venn Diagrams

1)



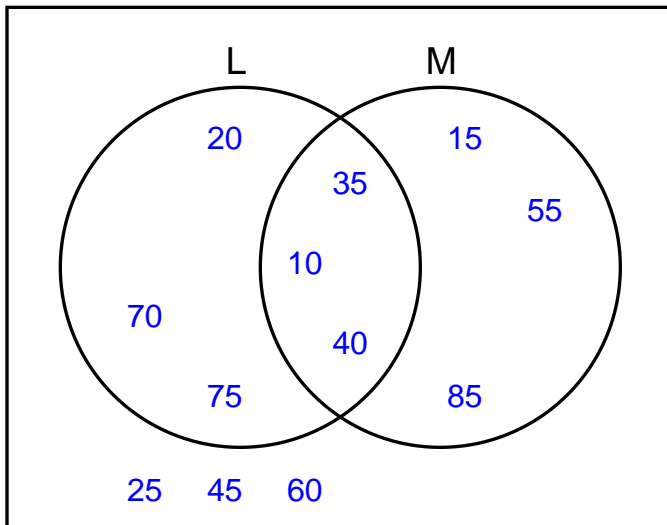
$$M' - N' = \{g, r\}$$

$$N' - M = \{z, b\}$$

$$M' - N = \{z, b\}$$

$$(M \cup N)' = \{z, b\}$$

2)



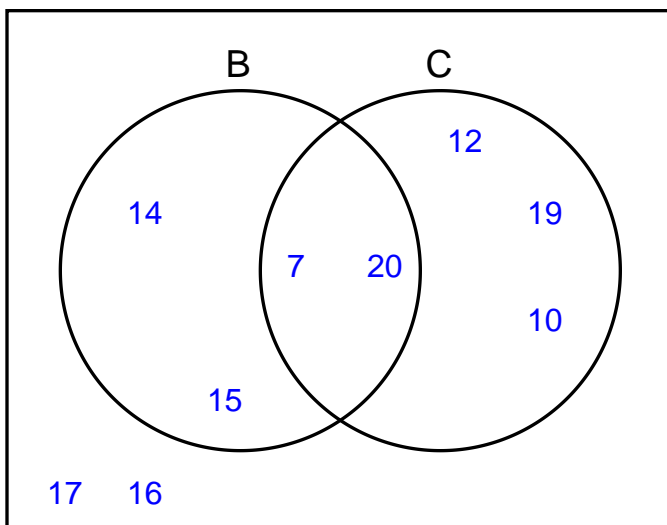
$$(L \cup M)' = \{25, 45, 60\}$$

$$L - M = \{20, 70, 75\}$$

$$L' \cup M = \{15, 55, 85, 35, 10, 40, 25, 45, 60\}$$

$$(M - L)' = \{20, 70, 75, 35, 10, 40, 25, 45, 60\}$$

3)



$$C - B' = \{7, 20\}$$

$$B - C' = \{7, 20\}$$

$$B \cap C' = \{14, 15\}$$

$$C = \{12, 19, 10, 7, 20\}$$