

Venn Diagram

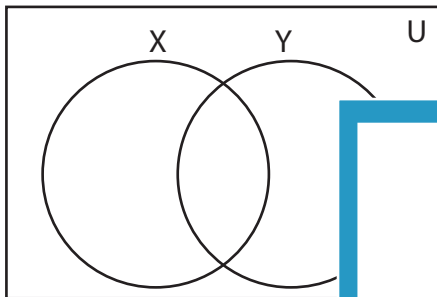
L2S4

Complete the Venn diagram.

1) $U = \{6, 7, 9, 10, 13, 16, 18, 23, 28, 30, 39, 40, 46, 47\}$

$X' = \{9, 13, 16, 23, 28, 46, 47\}$

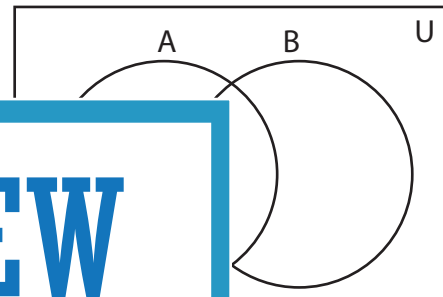
$Y = \{7, 9, 10, 13, 16, 23, 47\}$



2) $B = \{2, 18, 22, 28, 31, 33, 44, 46\}$

$A \cap B = \{18, 28, 33, 46\}$

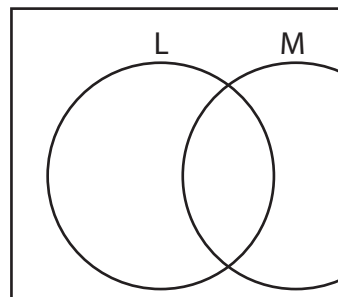
$A \cup B = \{1, 2, 9, 15, 18, 22, 28, 31, 33, 39, 44, 46\}$



3) $U = \{2, 4, 6, 10, 14, 16, 18, 20, 24, 30, 36, 48, 49, 54, 60\}$

$L = \{2, 4, 10, 16, 20, 24\}$

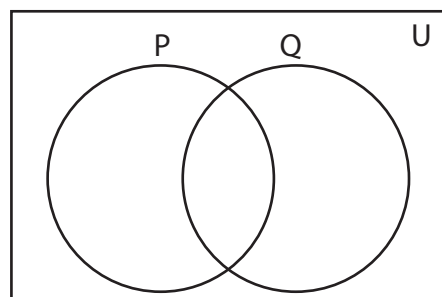
$M' = \{4, 14, 16, 20, 24\}$



5) $Q = \{1, 3, 4, 6, 14, 15, 18, 21, 24, 28, 35, 42, 49, 56, 63, 70\}$

$P \cup Q = \{1, 3, 4, 6, 9, 12, 14, 15, 18, 21, 24, 28\}$

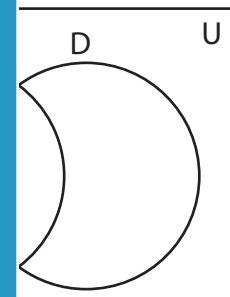
$P \cap Q = \{1, 3, 4, 15, 21\}$



$D = \{24, 30, 36, 48, 49, 54, 60\}$

$E = \{48, 60\}$

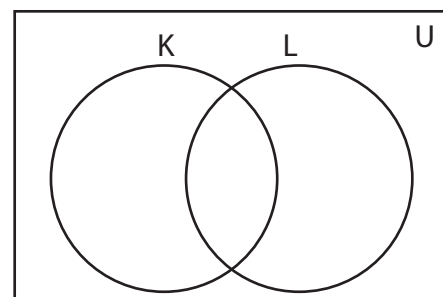
$F = \{4\}$



$G = \{14, 21, 28, 35, 42, 49, 56, 63, 70\}$

$K' = \{3, 9, 14, 28, 35, 56\}$

$L' = \{2, 7, 21, 28, 35, 49, 63\}$



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Answer key

Venn Diagram

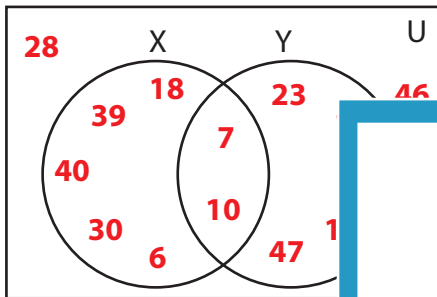
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Complete the Venn diagram.

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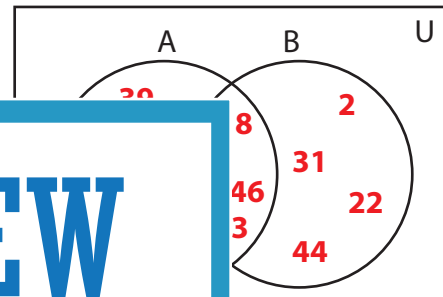
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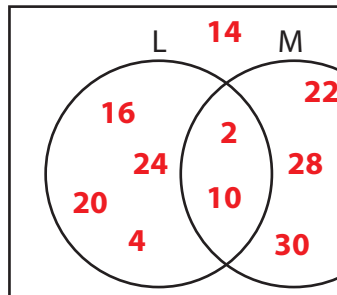
$A \cup B = \{1, 2, 9, 15, 18, 22, 28, 31, 33, 39, 44, 46\}$



3) $U = \{2, 4, 6, 10, 14, 16, 18, 20, 24, 30, 36, 48, 49, 54, 60\}$

$L = \{2, 4, 10, 16, 20, 24\}$

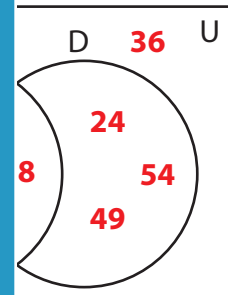
$M' = \{4, 14, 16, 20, 24\}$



$D = \{24, 30, 36, 48, 49, 54, 60\}$

$E = \{48, 60\}$

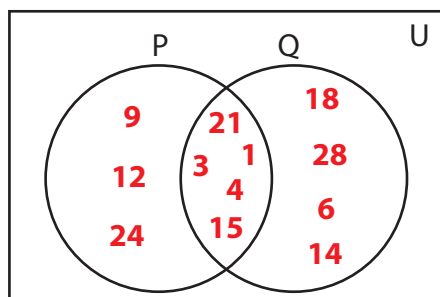
$F = \{4\}$



5) $Q = \{1, 3, 4, 6, 14, 15, 18, 21, 28, 35, 42, 49, 56, 63, 70\}$

$P \cup Q = \{1, 3, 4, 6, 9, 12, 14, 15, 18, 21, 24, 28\}$

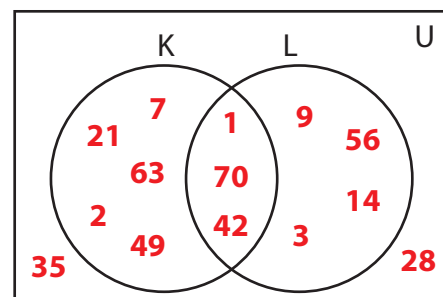
$P \cap Q = \{1, 3, 4, 15, 21\}$



$K = \{14, 21, 28, 35, 42, 49, 56, 63, 70\}$

$K' = \{3, 9, 14, 28, 35, 56\}$

$L' = \{2, 7, 21, 28, 35, 49, 63\}$



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