

Venn Diagram

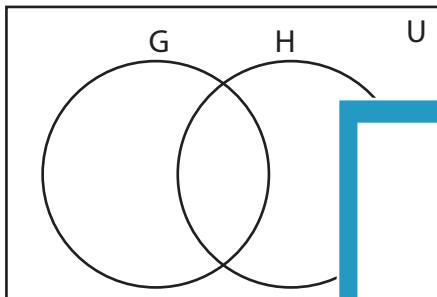
L2S3

Complete the Venn diagram.

1) $U = \{1, 5, 9, 10, 12, 16, 23, 30, 32, 37, 40, 41\}$

$G' = \{1, 5, 10, 16, 37, 40\}$

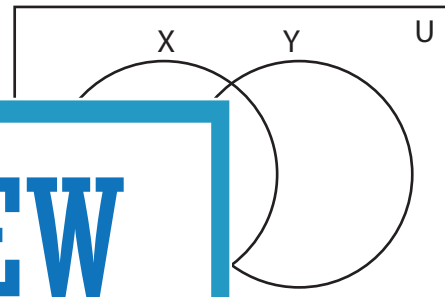
$H' = \{5, 9, 10, 12, 30, 41\}$



2) $U = \{2, 4, 6, 7, 11, 14, 20, 21, 24, 36, 40, 43, 46\}$

$X = \{2, 4, 6, 24, 36, 43, 46\}$

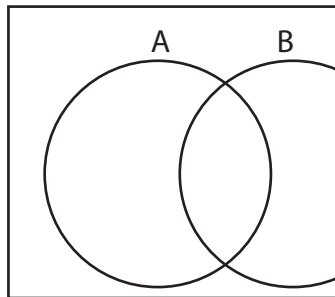
$Y = \{2, 6, 7, 14, 21, 46\}$



3) $A = \{1, 2, 8, 9, 11, 14, 22, 33, 34, 45, 49\}$

$A \cup B = \{1, 2, 3, 4, 8, 9, 11, 15, 17, 26, 28, 33, 34, 45, 49\}$

$B \cap A = \{8, 9, 11, 22\}$



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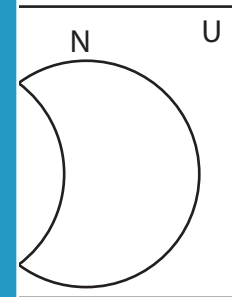
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$B = \{15, 17, 26, 28, 33, 34, 38, 45, 49\}$

$A \cap B = \{8, 9, 11, 22\}$

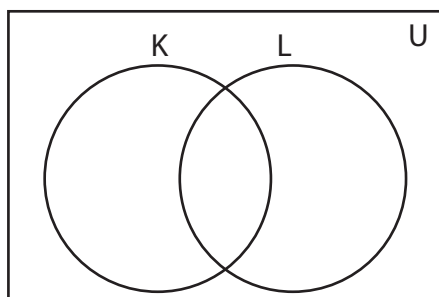
$B \cap A = \{8, 9, 11, 22\}$



5) $U = \{2, 4, 6, 7, 10, 15, 24, 29, 48\}$

$K = \{4, 7, 10, 15, 24, 48\}$

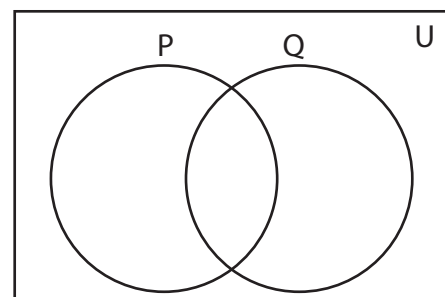
$L' = \{2, 7, 15, 24, 29, 48\}$



$P = \{23, 25, 31, 50\}$

$Q \cap P = \{1, 23, 31\}$

$P \cup Q = \{1, 3, 5, 8, 9, 13, 18, 19, 23, 25, 27, 31, 50\}$



Answer key

Venn Diagram

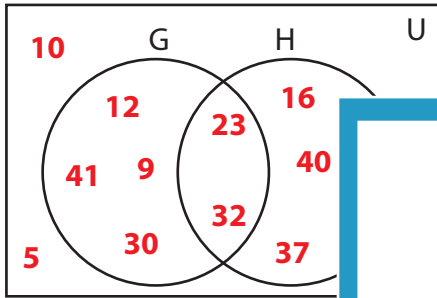
L2S3

Complete the Venn diagram.

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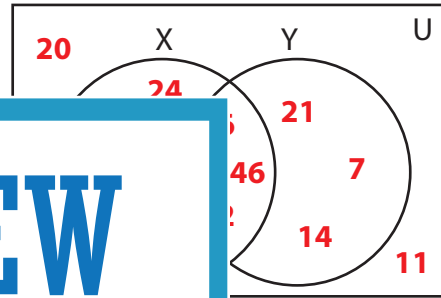
$H' = \{5, 9, 10, 12, 30, 41\}$



2) $U = \{2, 4, 6, 7, 11, 14, 20, 21, 24, 36, 40, 43, 46\}$

$X = \{2, 4, 6, 24, 36, 43, 46\}$

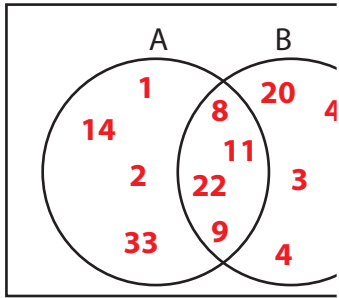
$Y = \{2, 6, 7, 14, 21, 46\}$



3) $A = \{1, 2, 8, 9, 11, 14, 22, 33, 44\}$

$A \cup B = \{1, 2, 3, 4, 8, 9, 11, 22, 33, 44\}$

$B \cap A = \{8, 9, 11, 22\}$



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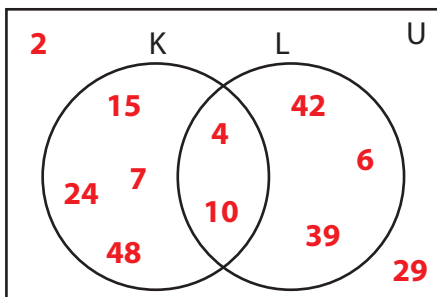
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5) $U = \{2, 4, 6, 7, 10, 15, 24, 29, 48\}$

$K = \{4, 7, 10, 15, 24, 48\}$

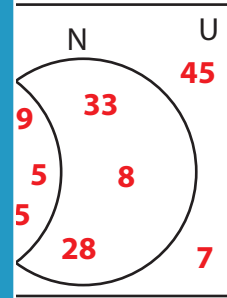
$L' = \{2, 7, 15, 24, 29, 48\}$



$N = \{15, 17, 26, 28, 33, 34, 38, 45, 49\}$

$N \cup P = \{15, 17, 26, 28, 33, 34, 45, 49\}$

$N \cap P = \{33, 49\}$



6) $U = \{1, 3, 5, 8, 9, 13, 18, 19, 23, 25, 27, 31, 50\}$

$K = \{4, 7, 10, 15, 24, 48\}$

$L' = \{2, 7, 15, 24, 29, 48\}$

$Q \cap P = \{1, 23, 31\}$

$P \cup Q = \{1, 3, 5, 8, 9, 13, 18, 19, 23, 25, 27, 31, 50\}$

