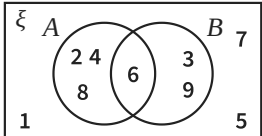
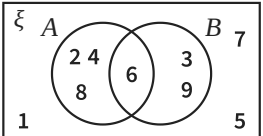
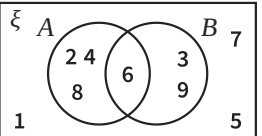
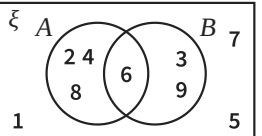
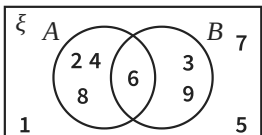
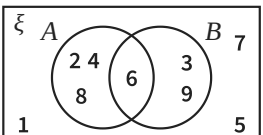
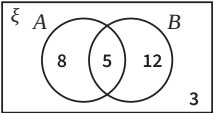
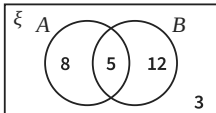
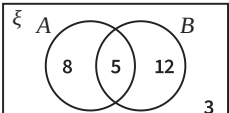
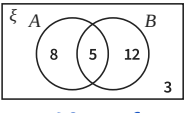
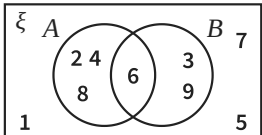
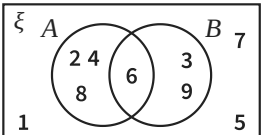
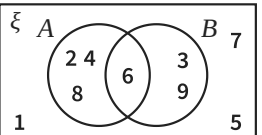
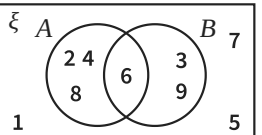
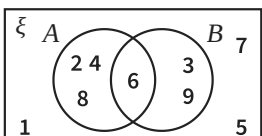
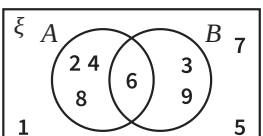
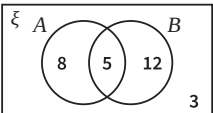
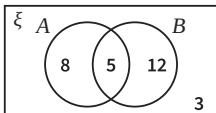
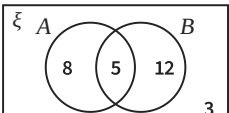
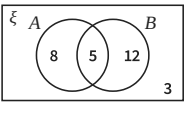


a List set A  2, 4, 6, 8 a set includes the overlap	b List $A \cap B$  6 $\cap$ is in both	c List $A \cup B$  2, 3, 4, 6, 8, 9 $\cup$ is in either	d List A'  1, 3, 5, 7, 9 A' is everything not in A
e List $A' \cap B$  3, 9 two symbols together	f List $(A \cup B)'$  1, 5, 7 outside both	g $\xi = \{1, 2, \dots, 12\}$. $A = \text{even numbers}$, $B = \text{factors of 12}$. List $A \cap B$. 2, 4, 6, 12 a set from its description	h How many are in A?  13 counts: A includes the overlap
i How many are in ξ ?  28 the total includes the outside	j Find $P(B)$  $\frac{17}{28}$ a probability from a Venn diagram	k Find $P(\text{in exactly one set})$  $\frac{20}{28} = \frac{5}{7}$ exactly one set	l ξ has 30 members. 14 are in A, 11 in B, 5 in both. How many are in neither? 10 neither from counts

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