

















[illegible]

$$\begin{aligned}
No01 &= [n(U) = 48, n(A) = 26, n(B) = 19, n(A \cap B) = 12] \\
No02 &= \left[ \begin{array}{cccc} n(U) = 39 & n(A) = 27 & n(B) = 17 & n(C) = 17 \\ n(A \cap B) = 15 & n(A \cap C) = 15 & n(B \cap C) = 5 & n(\text{intersect}(A, B, C)) = 5 \end{array} \right] \\
No03 &= [N = 84, F = 51, V = 42, X = 26]
\end{aligned}$$

$$No04 = [N = 105, E = 65, M = 60, B = 38, X = 16, Y = 8, Z = 23]$$

$$No05 = [N = 43, G = 29, W = 15, R = 22, A = 10, B = 3, C = 11, D = 3]$$

$$No06 = [n(U) = 53, n(A' \cap B') = 15, (n(B \cap A') = n(A \cap B')) = 11]$$

$$No07 = [N = 49, A = 28, B = 29, C = 24, D = 12, E = 13, F = 11]$$

$$No08 = [A = 25, B = 12, C = 15, D = 13, E = 12, F = 25, G = 10]$$

$$No09 = [N = 600, A = 245, B = 275, C = 325, AB = 69, BC = 189, AC = 149, P = 11]$$

$$NoI0 = [N = 610, S = 60, A = 350, B = 210, C = 230, D = 230, E = 200]$$

[illegible]

$$\begin{aligned}
No01 &= [n(U) = 46, n(A) = 25, n(B) = 23, n(A \cap B) = 15] \\
No02 &= \left[ \begin{array}{cccc} n(U) = 26 & n(A) = 10 & n(B) = 9 & n(C) = 7 \\ n(A \cap B) = 1 & n(A \cap C) = 3 & n(B \cap C) = 2 & n(\text{intersect}(A, B, C)) = 0 \end{array} \right] \\
No03 &= [N = 81, F = 46, V = 48, X = 26]
\end{aligned}$$

$$No04 = [N = 98, E = 31, M = 48, B = 47, X = 0, Y = 30, Z = 11]$$

$$No05 = [N = 30, G = 19, W = 18, R = 18, A = 0, B = 6, C = 7, D = 6]$$

$$No06 = [n(U) = 51, n(A' \cap B') = 14, (n(B \cap A') = n(A \cap B')) = 13]$$

$$No07 = [N = 32, A = 15, B = 15, C = 15, D = 4, E = 5, F = 5]$$

$$No08 = [A = 27, B = 17, C = 28, D = 11, E = 17, F = 24, G = 6]$$

$$No09 = [N = 700, A = 326, B = 446, C = 340, AB = 198, BC = 198, AC = 128, P = 12]$$

$$NoI0 = [N = 660, S = 160, A = 230, B = 150, C = 90, D = 90, E = 270]$$

[illegible]

$$\begin{aligned}
No01 &= [n(U) = 44, n(A) = 22, n(B) = 29, n(A \cap B) = 14] \\
No02 &= \left[ \begin{array}{cccc} n(U) = 45 & n(A) = 20 & n(B) = 17 & n(C) = 29 \\ n(A \cap B) = 8 & n(A \cap C) = 13 & n(B \cap C) = 11 & n(\text{intersect}(A, B, C)) = 5 \end{array} \right] \\
No03 &= [N = 79, F = 37, V = 36, X = 19]
\end{aligned}$$

$$No04 = [N = 125, E = 66, M = 48, B = 54, X = 22, Y = 35, Z = 20]$$

$$No05 = [N = 43, G = 27, W = 25, R = 28, A = 2, B = 6, C = 11, D = 9]$$

$$No06 = [n(U) = 51, n(A' \cap B') = 12, (n(B \cap A') = n(A \cap B')) = 17]$$

$$No07 = [N = 31, A = 15, B = 26, C = 24, D = 13, E = 12, F = 19]$$

$$No08 = [A = 33, B = 10, C = 22, D = 17, E = 7, F = 31, G = 5]$$

$$No09 = [N = 700, A = 430, B = 360, C = 335, AB = 246, BC = 156, AC = 226, P = 17]$$

$$NoI0 = [N = 710, S = 10, A = 360, B = 240, C = 180, D = 120, E = 400]$$



[illegible]