

Intersection of Three Sets

Write the intersection of the three sets in each problem.

1) $R = \{\alpha, \delta, \theta, \gamma, \beta\}$

2) $J = \{\text{French}\}$

$S = \{\delta, \gamma, \alpha, \beta, \theta\}$

$K = \{\text{French, Spanish}\}$

$T = \{\beta, \gamma, \alpha\}$

$L = \{\text{English, French, Spanish}\}$

$R \cap S \cap T = ?$

$J \cap K = ?$

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3) $X = \{m, n, o, p, q, r, s, t, u, v, w, x, y, z\}$

$Y = \{12, 84\}$

$Y = \{k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z\}$

$Z = \{5, 48, 1\}$

$Z = \{g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z\}$

$W = \{72, 48, 9, 84, 12, 15, 18, 24, 36\}$

$X \cap Y \cap Z = ?$

$X \cap Y \cap Z = ?$

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5) $A = \{h, i, j, k, l, m, n, o, p, q, r, s, t, a, b\}$

$B = \{0, 2, -4, -6, 8\}$

$B = \{l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, h, b\}$

$Q = \{-10, -5, 4, -6, 8, 12, 15, 18, 24, 36\}$

$C = \{f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z\}$

$A \cap B \cap C = ?$

$P \cap Q \cap R = ?$

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