**Set Theory Test II (STT2)**

Citation:

Brase, G.L. (2021). Which individual difference traits predict good Bayesian reasoning? Concurrent comparisons of underlying abilities. *Memory & Cognition, 49*(2), 235-248.. https://doi.org/10.3758/s13421-020-01087-5

Scoring Directions: All 6 items should be presented in random order, and an overall score is the number of correct answers.

**Instructions:** This section of the study asks you to answer some questions about how sets of items interact. You will be shown a picture of sets (circles) that contain different items. After each picture you will be asked to pick which written summary is an accurate description of the sets in the picture.

Please study the picture below.

***Δ Σ***

**VW X YZ**

Which of the following describes the sets in the above picture?

**Δ = {X}** and **Σ = {X}**

**Δ = {V, W}** and **Σ = {Y, Z}**

**Δ = {W, X}** and **Σ = {X, Y}**

**Δ = {V, W, X}** and **Σ = {X, Y, Z}**

**Δ = {V, X, Z}** and **Σ = {V, X, Z}**

Please study the picture below.

***Δ Σ***

**F G M N P S**

Which of the following describes the sets in the above picture?

**Δ = {M}** and **Σ = {N}**

**Δ = {F, G}** and **Σ = {P, S}**

**Δ = {F, G, M}** and **Σ = {N, P, S}**

**Δ = {F, G, M, N, P, S}** and **Σ = {F, G, M, N, P, S}**

**Δ = {F, G, M, N}** and **Σ = {M, N, P, S}**

Please study the picture below.

***Δ Σ***

**W 8 F 5 H K 2 L**

Which of the following describes the sets in the above picture?

**Δ = {W, 8, F, 5, H}** and **Σ = {F, 5, H, K, 2, L}**

**Δ = {F, 5, H}** and **Σ = {F, 5, H}**

**Δ = {W, 8, F, 5}** and **Σ = {5, H, K, 2, L}**

**Δ = {W, 8}** and **Σ = {K, 2, L}**

**Δ = {W, 8, F}** and **Σ = {H, K, 2, L}**

Please study the picture below.

***Λ Φ Ψ***

**AB CD E GH IJ**

**Λ = {A, B}** and **Φ = {E} Ψ** = **{I, J}**

**Λ = {A, B}** and **Φ = {C, D, E, G, H} Ψ** = **{I, J}**

**Λ = {A, B, C, D}** and **Φ = {E} Ψ** = **{G, H, I, J}**

**Λ = {A, B, C, D}** and **Φ = {C, D, E, G, H} Ψ** = **{G, H, I, J}**

**Λ = {A, B, C, D, E}** and **Φ = {C, D, E, G, H} Ψ** = **{E, G, H, I, J}**

Please study the picture below.

**KO TQ S RP**

***Λ Φ Ψ***

**Λ = {K, O, Q, T}** and **Φ = {Q, S, T} Ψ** = **{P, R, S}**

**Λ = {K, O, T}** and **Φ = {Q, S} Ψ** = **{P, R}**

**Λ = {K, O}** and **Φ = { } Ψ** = **{P, R}**

**Λ = {K, O}** and **Φ = {Q, S, T} Ψ** = **{P, R}**

**Λ = {K, O}** and **Φ = {Q, T} Ψ** = **{P, R, S}**

Please study the picture below.

***Λ Φ Ψ***

**X V 5 M A 4 S L 6**

**Λ = {X, V, 5}** and **Φ = {5, M, A, 4} Ψ** = **{A, 4, S, L, 6}**

**Λ = {X, V, 5}** and **Φ = {M} Ψ** = **{A, 4, S, L, 6}**

**Λ = {X, V}** and **Φ = {5, M, A, 4} Ψ** = **{S, L, 6}**

**Λ = {X, V}** and **Φ = {M} Ψ** = **{S, L, 6}**

**Λ = {X, V, 5, M, A, 4}** and **Φ = {X, V, 5, M, A, 4} Ψ** = **{5, M, A, 4, S, L, 6}**