Sets - Unions and Intersections

1. Let A = {1, 2, 3, 4, 5} and B = {4, 5, 6, 7, 8}. Find A ∪ B and A ∩ B.

2. Let C = {a, b, c, d, e} and D = {c, d, e, f, g}. Find C ∪ D and C ∩ D.

3. Let E = {2, 4, 6, 8, 10} and F = {1, 3, 5, 7, 9, 10}. Find E ∪ F and E ∩ F.

4. Let G = {red, blue, green, yellow} and H = {blue, purple, green}. Find G ∪ H and
   G ∩ H.

5. Let I = {apple, banana, orange} and J = {banana, grape, kiwi}. Find I ∪ J and I ∩ J.

6. Let K = {1, 2, 3, 4, 5} and L = {4, 5, 6, 7, 8}. Find K ∪ L and K ∩ L.

7. Let M = {a, b, c, d, e} and N = {c, d, e, f, g}. Find M ∪ N and M ∩ N.

8. Let O = {2, 4, 6, 8, 10} and P = {1, 3, 5, 7, 9, 10}. Find O ∪ P and O ∩ P.

9. Let Q = {red, blue, green, yellow} and R = {blue, purple, green}. Find Q ∪ R and   Q ∩ R.

10. Let S = {apple, banana, orange} and T = {banana, grape, kiwi}. Find S ∪ T and S ∩ T.