Challenge Problem

Two elements are to be combined to form a balanced compound. The first element, M (fictitious), has two electrons in it's outermost ring. The second (fictitious) element, X, has 5 electrons in its outermost ring. Show (using Bohr models) and describe (using words) how many M's and how many X's will come together to form a balanced ionic compound. Both elements would like 8 electrons in their outermost shell and will gain or lose to achieve

