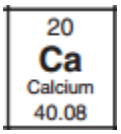
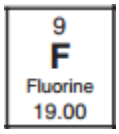
Calculating Formula Mass

The formula mass of a compound is the mass, in grams, of the elements that comprise the formula of that compound. Because you are not allowed calculators on tests and quizzes, you will be rounding the element's average mass to whole numbers before adding up the formula mass.

Example:

Compound	Formula	Calculation of Formula Mass			
Calcium fluoride	$Ca^{2+}F_2^{1-}$	40 g			+ 2(19 g) = 78 g

Now, do the remainder of these practice problems using your periodic table and NO CALCULATOR.

Compound	**Formula** (show charges)	**Calculation of Formula Mass** (show your work)
Sodium oxide		
Lithium fluoride		
Hydrogen sulfide		
Beryllium oxide		
Potassium nitride		
Chromium(III) oxide		
Aluminum fluoride		
Aluminum phosphide		
Calcium sulfide		
Sodium bromide		
Lithium phosphide		
Cobalt(II) oxide		
Calcium iodide		
Aluminum oxide		
Beryllium nitride		