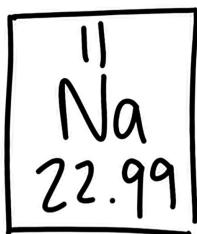
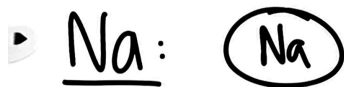
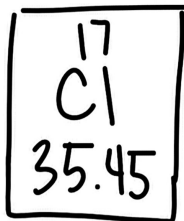


Molar Mass of Compounds / Molecules

Molar Mass is the sum (add) of all atoms together.



MM = 22.99 g/mol



MM = 2(35.45 g/mol)
= 70.90



Na : 22.99

Cl : 35.45

NaCl : 58.44 g/mol
(Add Na + Cl)

CCl₄ (Carbon Tetrachloride)

	#	Molar Mass
C	1	12.01 g/mol
Cl	4	35.45 g/mol
CCl ₄	153.81 g/mol	CCl ₄ (1) (4)

Work

1 · 12.01 = 12.01

4 · 35.45 = 141.8

12.01 + 141.8
= 153.81 g/mol

WS₃ (Tungsten (VI) Sulfide)

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	#	Molar Mass
W	1	183.84 g/mol
S	3	32.07 g/mol
WS ₃		280.05 g/mol

WS₃

Work

$$1 \cdot 183.84$$

$$3 \cdot 32.07$$

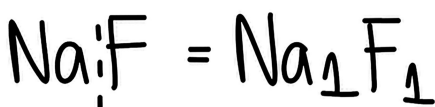
$$= 280.05$$

Molar Mass Calculations

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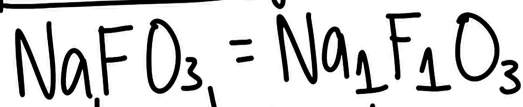
MM NaF

Sodium	1	* 22.99 g/mol
Fluorine	1	* 19.00 g/mol
NaF		41.99 g/mol



MM NaFO₃

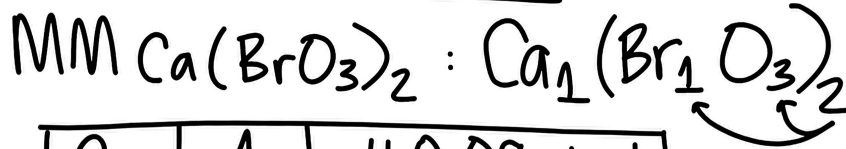
Na	1	22.99 g/mol
F	1	19.00 g/mol
O	3	16.00 g/mol
NaFO ₃		89.99 g/mol



Polyatomic Ion

Molar Mass Calculations

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Ca : 1
Br : $1 \cdot 2 = 2$
O : $3 \cdot 2 = 6$

Ca	1	40.08 g/mol
Br	2	79.90 g/mol
O	6	16.00 g/mol
$\text{Ca}(\text{BrO}_3)_2$		295.88 g/mol

$$\begin{array}{r} 1 \cdot 40.08 \\ + 2 \cdot 79.90 \\ + 6 \cdot 16.00 \\ \hline 295.88 \end{array}$$

