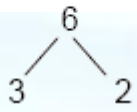
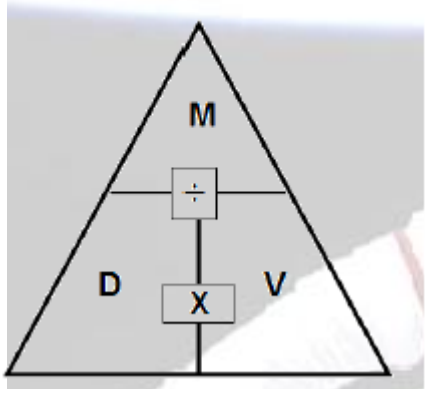
FORMULAS

Triangles can help you remember when to multiply and when to divide when using formulas in science.
The horizontal line represents DIVIDE.
The vertical line represents MULTIPLY.
Cover up the value you want to find.
Look at the other two values.
If they are next to each other, multiply them.
If one is above the other one, divide them.
The triangles work like the *factor trees* you have used in math.



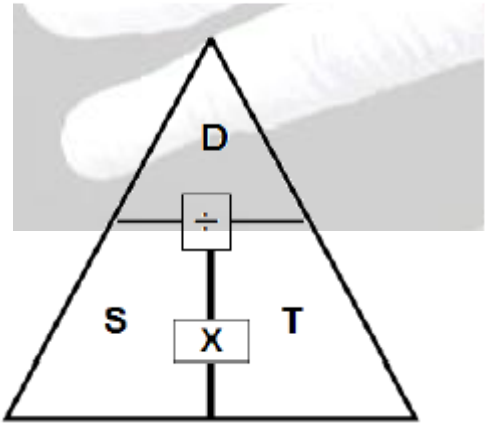
Mass, Volume, & Density



Density = Mass ÷ Volume
Mass = Density X Volume
Volume = Mass ÷ Density

D= M/V
M=DxV
V=M/V

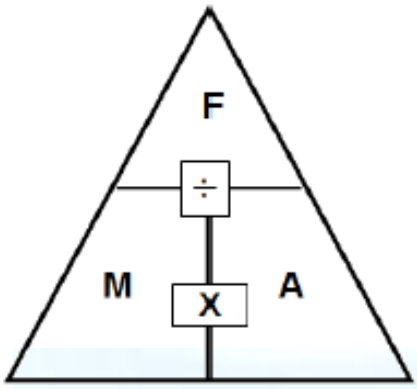
Speed, Distance, & Time



Speed = Distance ÷ Time
Distance = Speed X Time
Time = Distance ÷ Speed

S=D/T
D=SxT
T=D/S

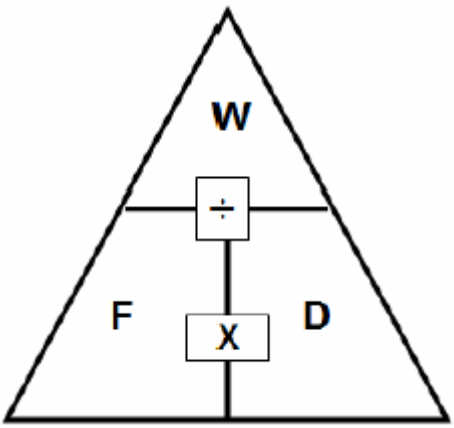
Force, Mass & Acceleration



Mass = Force ÷ Acceleration
Force = Mass X Acceleration
Acceleration = Force ÷ Mass

M=F/A
F=MA
A=F/M

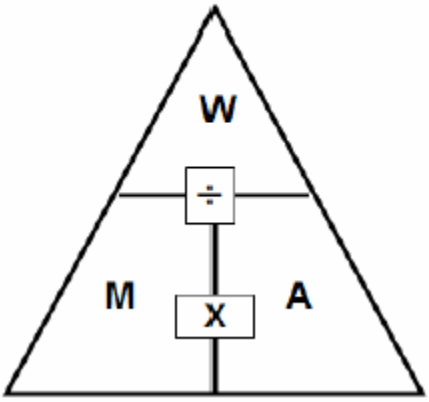
Work, Force & Distance



Force = Weight ÷ Distance
Weight = Force X Distance
Distance = Weight ÷ Force

F=W/D
W=FxD
D=W/D

Weight, Mass & Acceleration



Mass = Weight ÷ Acceleration
Weight = Mass X Acceleration
Acceleration = Weight ÷ Mass

M=W/A
W=MxA
A=W/M