

Derivation of Formula.

Objective:

-to apply simple manipulation to isolate the formula to get the unknown in a given expression or formula.

1. If $F=ma$, what is the formula to be used if mass (m) is missing?
2. If $F=ma$, what is the formula to be used if acceleration (a) is missing?
3. If $s=d/t$, what is the formula to be used if distance (d) is missing?
4. If $s=d/t$, what is the formula to be used if time (t) is missing?
5. If $\bar{v} = \bar{d} / t$, what is the formula to be used if displacement ($\bar{d}$) is missing?
6. If $\bar{v} = \bar{d} / t$, what is the formula to be used if time (t) is missing?
7. If $\bar{a} = \Delta \bar{v} / t$, what is the formula to be used if time (t) is missing?
8. If $\bar{a} = \Delta \bar{v} / t$, what is the formula to be used if change in velocity (Δv) is missing?
9. If $X=g/h$, what is the formula to be used if g is missing?
10. If $T=bh$, what is the formula to be used if h is missing?
11. If $L=b/q$, what is the formula to be used if q is missing?
12. If $E=kb$, what is the formula to be used if b is missing?