**Problem 1:** Miles per hour to Kilometres per seconds.



Start

mph

$Kph = mph * 1.69$

$Kps = \dfrac{Kph}{3600}$

KPS

End
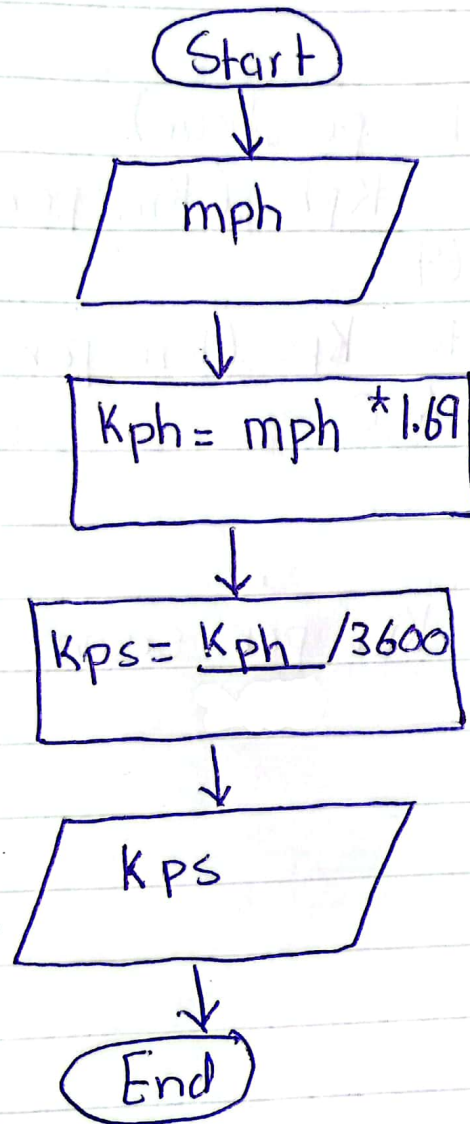
// mph → miles per hour
// Kph → Kilometres per hour
// Kps → Kilometres per second

Pseudococle:

1. Start
2. // Input mph
   Enter mph (miles per hour).
3. // convert mph to Kph (Km per hour)
   Kph = mph * 1.69
4. // convert Kph to Kps (Km per second)
   Kps = Kph / 3600

5. // Display output
   "The value in Km per second is: "
6. End.

# IPO

| Input | Processing | Module Reference | Output |
|-------|-----------|------------------|--------|
| mph | 1. Enter mph. | Read | Kps. |
| | 2. Calculate Kph. | Calc | |
| | 3. Calculate Kps. | Calc | |
| | 4. Display Kps | Print | |
| | 5. End | End | |