V= (d2-d2)/(t2-t1)=D/T

Vkm/h= 3,6\*Vm/s

F=1/T T🡪Temps d’un cycle Hz=cycle par seconde

V=r.(=vitesse angulaire)

Exercice 1

1. 5+15+40+30=90m

90/60=1,5m/s \* 3.6 = 5,4 km/h

1. 5 🡪 10 15 🡪 20 35 🡪 40
2. Vt2= 1 m/s Vt13= - 3 m/s Vt25= 2 m/s Vt50= - 1,5 m/s

Vmax= 4 m/s

Exercice 2

1. 50/33=1,5151…..
2. 53,79/66=0.815s

1/0.815=1.22

1. 50/1.95=25.64s

53.79-25.64=28.15s

50/28.15=1.77m/s \* 3.6 = 6.39km/h

Exercice 4

1. 250m
2. 1 km 🡪 56s303

1T= 250 m 56,303/4=14s07575

4.26T/min

1. 17.60 30.08-17.60=12.48 42.82-30.08 = 12.74 56.303 – 42.82 = 13.483

250/12.48=20.03 m/s

1. D = ((2\*0.35)\*(52/13)=8.79
2. 1000/8.79 = x

X /56.303 = 2.02

F = 1/2.02 =