2015.

c) i GB gigabyte → 1024×10^9 bit

GB → 8Gb =	1GB = 10^3MB
1Gb = 10^3Mb	1MB = 10^3KB
1Mb = 10^3Kb	1KB = 10^3B
1Kb = 10^3bit	1B = 8bit

u = 20 MB/s = $20 \times 8 \times 10^3 \times 10^3$ bit/s

d = 50 MB/s = $50 \times 8 \times 10^3 \times 10^3$ bit/s

f = 80 km/h, d = 13600 km

t_1 = 13600km / 80 km/h = 170h = 612000s

t_2 = 4×10^9 bit / $20 \times 8 \times 10^6$ bit/s = 25s

t_3 = 4×10^9 bit / $50 \times 8 \times 10^6$ bit/s = 10s

$t = t_1 + t_2 + t_3$ = 612035s

ii for propagation delay: there is no chance for a pigeon to beat signal speed

for transmission delay: when the bandwith of Internet is smaller than the speed writing into flash drive and the speed reading from flash..
(In this condition, the transmission delay of Pigeon is lower).