

bellwork Monday 12/11

*If Fordson population doubles every 3 years,
what will be the population in 30 years
given that the initial population was 800?*

$$y = ab^x$$

800

3 years ↓

1600

3 years ↓

3200

$$y = ab^x$$

final value ←

initial value

growth/decay factor

time

$$y = 800 \cdot 2^{30/3}$$
$$y = 819200$$