

2.2 cont.

(New #3) Library Fines

day	\$
1	5.00
2	5.50
3	6.05
4	6.66
5	7.33

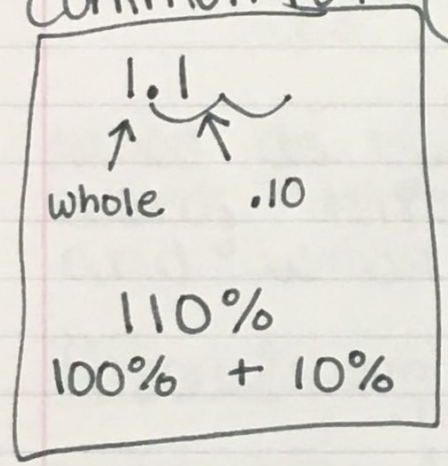
10% of \$5.00
 $.10 \times 5 = .50$
 $.10 \times 5.50 = .55$
 $.10 \times 6.05 = .61$

+ .50
+ .55
+ .61

Common ratio (😊)

$$y = a \cdot r^{n-1}$$

$$y = 5 \cdot 1.1^{n-1}$$



$$5.50 \div 5.00 = 1.1$$

$$6.05 \div 5.50 = 1.1$$

Common ratio!

Domain??

Whole #s
0 to 18

$$y = 5 \cdot 1.1^{18-1}$$

Day 18!
\$25