8.5.1 Learning Curves in cost estimate

$$Y_x = a \, X^b$$

$$b = \frac{\log (\text{learning rate})}{\log 2}$$

Q: Learning rate = 0.6

Steady state = 1

activities times to get steady = 15

It take ___ hr to do this activity
for the first time

Solution : ① $Y_x = aX^b$

$b = \dfrac{\log_{10} 0.6}{\log_{10} 2} = -0.7370$

$1 = a \cdot 15^{-0.7370}$

$a = 7.3583$