

Igor Moreira Pádua

1. a)

$$\frac{10000}{3} = 3333,33\dots$$

$$\frac{20000}{5} = 4000$$

$$\frac{2000000}{7} = 117647,06$$

b)

$$\log_3\left(\frac{10000}{3333,33}\right) \simeq 1+1=2$$

$$\log_5\left(\frac{20000}{4000}\right) \simeq 1+1=2$$

$$\log_{17}\left(\frac{2000000}{117647,06}\right) \simeq 1+1=2$$

c)

$$2 \cdot 10000 \cdot 2 = 40000$$

$$2 \cdot 10000 \cdot 2 = 80000$$

$$2 \cdot 2000000 \cdot 2 = 8000000$$