

EJERCICIO MIBE3307:

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Sabiendo que: $\log 2 = 0,3010$
 $\log 7 = 0,8451$

a) $\log 56 =$

$$= \log(2^3 \cdot 7) =$$

$$= \log 2^3 + \log 7 =$$

$$= 3 \cdot \log 2 + \log 7 =$$

$$= 3 \cdot 0,3010 + 0,8451 =$$

$$= 0,903 + 0,8451 = \boxed{1,7481}$$

$$\begin{array}{r} 56 \div 2 \\ 28 \div 2 \\ 14 \div 2 \\ 7 \div 7 \\ 1 \end{array}$$

b) $\log 9,8 =$

$$= \log \frac{98}{10} =$$

$$= \log 98 - \log 10 =$$

$$= \log(2 \cdot 7^2) - 1 =$$

$$= \log 2 + \log 7^2 - 1 =$$

$$= \log 2 + 2 \cdot \log 7 - 1 =$$

$$= 0,3010 + 2 \cdot 0,8451 - 1 =$$

$$= 0,3010 + 1,6902 - 1 = \boxed{0,9912}$$

$$\begin{array}{r} 98 \div 2 \\ 49 \div 7 \\ 7 \div 7 \\ 1 \end{array}$$