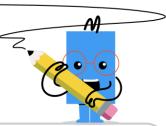


Logarithms - Quotient Property -Difference to Division as Fraction



Convert the given logarithm to its equivalent based on 2 the quotient property

$$\log x - \log t$$

Convert the given logarithm to its equivalent based on the quotient property

$$\log_x z - \log_x t$$

$$\log_q x - \log_q p$$

$$\log_x rac{t}{z}$$

$$\log_t rac{x}{z}$$

$$\log_x rac{z}{t}$$

$$\log_q \frac{x}{p}$$

$$\log_t rac{x}{z} \mid^{ extstyle \log_x rac{z}{t}} \mid^{ extstyle \log_q rac{x}{p}} \mid^{ extstyle \log_p rac{q}{x}} \mid^{ extstyle \log_p q} \mid^{ extstyle Q} \mid^{ extst$$

$$\left\lceil \mathsf{log}_q \, rac{p}{x}
ight
ceil$$

3 Convert the given logarithm to its equivalent based on 4 the quotient property

$$\log_{1} n - \log_{1} x$$

$$\log_t n - \log_t x$$

$$\log_p z - \log_p t$$

$$\log_t rac{x}{n}$$

$$\log_t rac{n}{x}$$

$$\log_x rac{t}{n}$$

$$\log_p rac{t}{z}$$

$$\log_t rac{p}{z}$$

$$\left| \log_p rac{z}{t}
ight|$$

5 Convert the given logarithm to its equivalent based on 6 the quotient property

Convert the given logarithm to its equivalent based on the quotient property

$$\log_t p - \log_t q$$

$$\log_n r - \log_n y$$

$$^{^{\mathsf{A}}}\log_{t}rac{q}{p}$$

$$\log_t rac{p}{q}$$

$$\log_q rac{t}{p}$$

$$\log_n rac{y}{r}$$

$$\log_t rac{q}{p} \mid^{\scriptscriptstyle{\mathsf{B}}} \log_t rac{p}{q} \mid^{\scriptscriptstyle{\mathsf{C}}} \log_q rac{t}{p} \mid^{\scriptscriptstyle{\mathsf{A}}} \log_n rac{y}{r} \mid^{\scriptscriptstyle{\mathsf{B}}} \log_y rac{n}{r} \mid^{\scriptscriptstyle{\mathsf{C}}} \log_n rac{y}{r} \mid^{\scriptscriptstyle{\mathsf{B}}}$$

$$\log_n rac{r}{y}$$

7 Convert the given logarithm to its equivalent based on 8 the quotient property

Convert the given logarithm to its equivalent based on the quotient property

$$\log_m t - \log_m y$$

$$\log_m z - \log_m p$$

$$\log_m rac{y}{t}$$

$$\log_y \frac{\eta}{\eta}$$

$$\log_m rac{t}{u}$$

$$\log_m \frac{p}{2}$$

$$\log_p rac{r}{r}$$

$$\left| {^{
m c}} {\sf log}_m \, rac{z}{p}
ight|$$