Loganithms Q, $\log(64) = 1.806$ then $\log(16) = ?$ \rightarrow 3109 (4) = 1.806 109(6) \Rightarrow 2(109(4)) = 1.806 x2 = 1.204 Q. If log2 = 0.3010 and log3 = 0.4771 then 109=1024 ? $=\frac{3.010}{0.699}$ = 40.319. 1092 = 0:30103 & log3 = 0:4771 find digit in (648) $\log (648)^5 \Rightarrow 5 [\log (81) + \log (8)]$ $= 5 \left[4 \log(3) + 3 \log(2) \right]$ = fox 0.4771 + 15 x 0.30103 = 14.05 214 No. of digits in no are 14+1 = 15 05

$$Q = \frac{\log_{2}(9)}{2} = \frac{1}{2} \text{ then } x = ?$$

$$Q = x^{(1/2)} \Rightarrow Q = \frac{1}{2} \Rightarrow [x = \frac{16}{8}]$$

$$Q = \log_{2}(5|2) = ?$$

$$Q = \log_{2}(5|2) = ?$$

$$Q = \log_{16}(5|2) = 2$$

$$Q = \log_{16}(5|2)$$

