Zeiten und Frequenzen

Aufgabe 1: Vervollständigen Sie die Tabelle.

|  |  |
| --- | --- |
| Periodendauer | Frequenz |
| 1s |  |
| 0,001s = 1ms (milli) |  |
| 0,000001s = 1µs (mikro) |  |
| 0,000000001s = 1ns (nano) |  |
|  | 1Hz (Hertz) |
|  | 1kHz (kilo) |
|  | 1MHz (Mega) |
|  | 1GHz (Giga) |
| 0,02s |  |
|  | 1500 Hz |
| 50ms |  |
|  | 200Hz |
| 100µs |  |
|  | 10MHz |
| 0,5 ms |  |
|  | 32 MHz |
| 250 ns |  |
|  | 0,02 GHz |

Aufgabe 2: Rechnen Sie um.

|  |  |  |  |
| --- | --- | --- | --- |
| s | ms | µs | ns |
| 0,3 |  |  |  |
|  | 20 |  |  |
|  |  | 1200 |  |
|  |  |  | 31,25 |
|  |  |  | 234 |
|  |  | 0,56 |  |
|  | 23 |  |  |
| 11 |  |  |  |
| 0,001 |  |  |  |
|  | 0,001 |  |  |
|  |  | 0,001 |  |
|  |  |  | 0,001 |
|  |  |  | 1000 |
|  |  | 1000 |  |
|  | 1000 |  |  |
| 1000 |  |  |  |
| 0,2 |  |  |  |
|  | 0,2 |  |  |
|  |  | 0,2 |  |
|  |  |  | 0,2 |