```
# Brute force
Eg: dividend = 24, divisor = 4
50 4+4+4+4+4 = 24
this can be written as
  24-4 = 20 _ D
 20-4= 16
  16-4= 12 -3
  12-4=8 - 4
                         so totally 6 times
  we can keep a wunter and perform this
  count = 0
  while dividend - divisor >= 0
            count +=1
            dividend -= divisor
# optimized - Power of 2
 dividend = 24
 divisor = 4
, what is the nearest power of a that can be used
     2<sup>1</sup> 2<sup>2</sup> 2<sup>3</sup> 2<sup>4</sup> 3<sup>5</sup>
       2 4 8 16 32
 24-4*23 = 24-32 - NO,
 24-(4*22) = 24-16 = 8 - yes
  8 - 4 \times 2^2 = 8 - 16 \rightarrow N0
                               50 = 2
 8 - 4 \times 2^{1} = 8 - 8 = 0, -4e
                                     4+2 = 6
```