



Fatoração, MDC e MMC

1)

$$1200 = 2^4 \times 3^1 \times 5^2$$

o  $p = 4$

o  $m = 1$

o  $e = 2$

Resposta: O valor de  $p + m + e$  é 7.

2)

a)

$$\text{mdc}(30, 36, 72) = 2 \times 3 = 6$$

b)

$$\text{mdc}(96, 108, 132) = 2 \times 2 \times 3 = 12$$

3)

a)

$$\text{mmc}(15, 24, 60) = 2 \times 2 \times 2 \times 3 \times 5 = 2^3 \times 3 \times 5 = 120$$

b)

$$\text{mmc}(8, 12, 28) = 2 \times 2 \times 2 \times 3 \times 7 = 2^3 \times 3 \times 7 = 168$$