

2-08-21

QUIZ

1- Hallar el mínimo común múltiplo entre:

* 24 y 28,

* 15 y 35,

* 18 y 36.

2- Hallar el máximo común divisor entre:

* 24 y 32,

* 36 y 48,

* 12 y 18.

Resolución

1-
 $24 = \{24, 48, 72, 96, 120, 144, \underline{168}, \dots\}$

$28 = \{28, 56, 84, 112, 140, \underline{168}, \dots\}$

24
12
6
3
1

282
142
72
137

168

$$M.C.M = 168$$

2- 15 = (15, 30, 45, 60, 75, 90, 105, 120, 135, ...)
35 = (35, 75, 105, 140, 180, ...)

15 | 5
3 | 3
1

35 | 5
7 | 7
1

$$M.C.M = \underline{525}$$

15
35
75
45
525

$$3 - 18 = [18, 36, 54, 72, 90, \dots]$$

$$36 = [36, 72, 108, \dots]$$

$$\begin{array}{r|l} 18 & 2 \\ & 9 \ 3 \\ & 3 \ 3 \\ & 1 \end{array}$$

$$\begin{array}{r|l} 36 & 2 \ \checkmark \\ 18 & 2 \ \checkmark \\ 9 & 3 \ \checkmark \\ 3 & 3 \ \checkmark \\ 1 & \end{array} \quad 36$$

$$M.C.M = \underline{36}$$

2. MAXIMO COMÚN DIVISOR

$$24 \text{ y } 32$$

$$\begin{array}{r|l} 24 & 2 \\ \downarrow 2 & 2 \\ 6 & 2 \\ 3 & 3 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 32 & 2 \\ \downarrow 2 & 2 \\ 16 & 2 \\ 8 & 2 \\ 4 & 2 \\ 2 & 2 \\ 1 & \end{array}$$

$$2 \times 4 = \underline{8}$$

MAXIMO COMÚN DIVISOR: 8

2-

$$\begin{array}{r|l} 36 & 2 \\ 18 & 2 \\ 9 & 3 \\ 3 & 3 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 48 & 2 \\ 14 & 2 \\ 7 & 7 \\ 1 & \end{array}$$

$$4 \times 3 = 12$$

MAXIMO COMÚN MULTIPLO, 12

3-

$$\begin{array}{r|l} 12 & 2 \\ 6 & 2 \\ 3 & 2 \\ 1 & 3 \end{array}$$

$$\begin{array}{r|l} 18 & 2 \\ 9 & 3 \\ 3 & 3 \\ 1 & \end{array}$$

$$2 \times 3 = 6$$

$$M.C.M. = \underline{6}$$