Recuerda.

El **mínimo común múltiplo** (m.c.m.) de dos o más números es el menor número que es múltiplo de todos ellos.

Múltiplos de 16: 16, 32, (48), ...
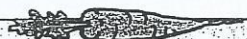
Múltiplos de 24: 24, (48), ...

$$
\begin{array}{c|c}
16 & 2 \\
8 & 2 \\
4 & 2 \\
2 & 2 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
24 & 2 \\
12 & 2 \\
6 & 2 \\
3 & 3 \\
1 &
\end{array}
$$

$16 = (2^4)$ $24 = 2^3 \times (3)$

m.c.m. $(16, 24) = 2^4 \times 3 = 48$

53 **Calcula el mínimo común múltiplo en cada caso.**

m.c.m. $(10, 20) = \underline{20}$

$$
\begin{array}{c|c}
10 & 2 \\
5 & 5 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
20 & 2 \\
10 & 2 \\
5 & 5 \\
1 &
\end{array}
\qquad 2^2 \times 5 = 4 \times 5 = 20
$$

2×5 $(2^2) (5)$

m.c.m. $(9, 12) = \underline{36}$

$$
\begin{array}{c|c}
9 & 3 \\
3 & 3 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
12 & 2 \\
6 & 2 \\
3 & 3 \\
1 &
\end{array}
\qquad 3^2 \times 2^2 = 9 \times 4 = 36
$$

(3^2) $(2^2) \times 3$

m.c.m. $(6, 9) = \underline{18}$

$$
\begin{array}{c|c}
6 & 2 \\
3 & 3 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
9 & 3 \\
3 & 3 \\
1 &
\end{array}
\qquad 2 \times 3^2 = 2 \times 9 = 18
$$

$(2) \times 3$ (3^2)

m.c.m. $(5, 7) = \underline{35}$

$$
\begin{array}{c|c}
5 & 5 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
7 & 7 \\
1 &
\end{array}
\qquad 5 \times 7 = 35
$$

5 7

m.c.m. $(12, 18) = \underline{36}$

$$
\begin{array}{c|c}
12 & 2 \\
6 & 2 \\
3 & 3 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
18 & 2 \\
9 & 3 \\
3 & 3 \\
1 &
\end{array}
\qquad 2^2 \times 3^2 = 4 \times 9 = 36
$$

$(2^2) \times 3$ 2×3^2

m.c.m. $(8, 14) = \underline{56}$

$$
\begin{array}{c|c}
8 & 2 \\
4 & 2 \\
2 & 2 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
14 & 2 \\
7 & 7 \\
1 &
\end{array}
\qquad 2^3 \times 7 = 8 \times 7 = 56
$$

(2^3) $2 \times (7)$

m.c.m. $(8, 10) = \underline{40}$

$$
\begin{array}{c|c}
8 & 2 \\
4 & 2 \\
2 & 2 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
10 & 2 \\
5 & 5 \\
1 &
\end{array}
\qquad 2^3 \times 5 = 8 \times 5 = 40
$$

(2^3) $2 \times (5)$

m.c.m. $(6, 4) = \underline{12}$

$$
\begin{array}{c|c}
6 & 2 \\
3 & 3 \\
1 &
\end{array}
\qquad
\begin{array}{c|c}
4 & 2 \\
2 & 2 \\
1 &
\end{array}
\qquad 2^2 \times 3 = 4 \times 3 = 12
$$

$2 \times (3)$ (2^2)