

M.C.D.
 0 7 - 5 5 A
 2 0 3 0
 F R O S - V -

12 30

$$D_{12} = \{1, 2, 3, 4, 6, 12\}$$

$$D_{30} = \{1, 2, 3, 5, 6, 10, 15, 30\}$$

$$D_{12} \cap D_{30} = \{1, 2, 3, 6\}$$

$$M.C.D.(12, 30) = 6$$

mar 17-11.21

m.c.m.
 0 3 - 5 -
 0 0 5 3 0
 P
 0

m.c.m. (12, 30) = 60

$$M_{12} = \{12, 24, 36, 48, 60, 72, 84, 96, 108, 120\}$$

$$M_{30} = \{30, 60, 90, 120\}$$

$$M_{12} \cap M_{30} = \{60, 120, 180, 240, 300, \dots\}$$

$$= M_{60}$$

mar 17-11.32

$10, 6$ $\text{m.c.m.}(6, 10) = 30$
 $M_{10} = \{10, 20, 30, 40, 50, 60\}$
 $M_6 = \{6, 12, 18, 24, 30, 36, 42, 48, 54, 60\}$
 $M_{10} \cap M_6 = M_{30}$

mar 17-11.35

$\text{m.c.m.}(12, 30)$

$\begin{array}{r l} 12 & 3 \cdot 2 \\ 2 & 2 \\ 1 & \end{array}$ <p> ciò che ho $12 = 2 \cdot 2 \cdot 3$ $30 = 2 \cdot 3 \cdot 5$ </p>	$\begin{array}{r l} 30 & 2 \cdot 5 \\ 3 & 3 \\ 1 & \end{array}$ <p> ciò che voglio $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$ $2 \cdot 2 \cdot 2 \cdot 2 \cdot 2$ $2 \cdot 3 \cdot 5$ ciò che manca </p>
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mar 17-11.38

$12 = 2 \cdot 2 \cdot 3$
 $30 = 2 \cdot 3 \cdot 5$
 $10 = 2 \cdot 5$
 $6 = 2 \cdot 3$

2^5	3^3	5^{20}	
2^6	3^3	5^{19}	
2^7	3^4	5^{20}	
2^3	3^1	5^1	$= 8 \cdot 3 \cdot 5 = 120$
2^3	3^0	5^2	$= 8 \cdot 1 \cdot 25 = 200$
2^1	3^1	5^2	

mar 17-12.06

$10 \cdot 120 = 1200$
 $6 \cdot 200 = 1200$

$\underbrace{\hspace{10em}}$
 multiplo comune

mar 17-12.38

$10 = 2 \cdot 5$
 $6 = 2 \cdot 3$

2^0	3^1	5^0	$= 1 \cdot 3 \cdot 5 = 15$
2^1	3^0	5^1	$= 1 \cdot 1 \cdot 5 = 5$
2^1	3	5	

$m.c.m.(12, 30) = 60$

$12 = 2 \cdot 2 \cdot 3$
 $30 = 2 \cdot 3 \cdot 5$

2^0	3^0	5^1	$= 1 \cdot 1 \cdot 5 = 5$	$12 \cdot 5 = 60$
2^1	3^0	5^0	$= 2 \cdot 1 \cdot 1 = 2$	$30 \cdot 2 = 60$
2^2	3^1	5^1		

mar 17-12.47

$m.c.m.(18, 21) = 2^1 \cdot 3^2 \cdot 7^1 = 126$

$18 | 2 \cdot 3 \cdot 3$
 $21 | 3 \cdot 7$

$18 = 2 \cdot 3^2$
 $21 = 3 \cdot 7$

$2^0 \cdot 3^0 \cdot 7^1$	$= 7$	$18 \cdot 7 = 126$
$2^1 \cdot 3^1 \cdot 7^0$	$= 6$	$21 \cdot 6 = 126$
$2^1 \cdot 3^2 \cdot 7^1$		

mar 17-12.54