

Hallar el MCM entre =

* 24 y 28

* 15 y 35

* 18 y 36

Hallar el MCD entre =

* 29 y 32

* 36 y 48

* 12 y 18

Solucion

MCM = 168

$M = \{ 24, 48, 72, 96, 120, 144, 168 \}$

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

24	28	2
12	14	2
6	7	2
3	7	3
1	7	7

168

MCM = 105

$M = \{ 15, 30, 45, 60, 75, 90, 105, \dots \}$

$M = \{ 35, 70, 105, \dots \}$

15	35	3
5	35	5
1	5	5

105

$$M \cup M = \underline{\underline{36}} \downarrow$$

$$M = \{18, 36, \dots\}$$

$$M = \{36, 72, \dots\}$$

18	36	2	} 36
9	18	2	
3	9	3	
1	3	3	

$$M \cup D = \underline{\underline{8}} \downarrow$$

$$D = \{1, 2, 4, 8, 16, 32\}$$

$$D = \{1, 2, 4, 8, 16, 32\}$$

24	32	2	} 8
12	16	2	
6	8	2	

$$M \cup D = \underline{\underline{12}} \downarrow$$

$$D = \{1, 2, 3, 4, 6, 8, 9, 12, 18, 36\}$$

$$D = \{1, 2, 3, 4, 6, 8, 12, 16, 24, 48\}$$

36	48	2	} 12
18	24	2	
9	12	3	

$$M \cup D = 6 \downarrow$$

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

$$D = \{1, 2, 3, 6, 9, 18\}$$

12	18	2	} 6
6	9	3	