

Actividad 8 - Anna Carías - 22939

1. $\text{mcd}(254, 32)$

$$254 = 32 \cdot 7 + 30$$

$$32 = 30 \cdot 1 + 2$$

$$30 = (2) \cdot 15 + 0$$

$$\text{MCD} = 2$$

2. $\text{mcd}(74, 383)$

$$74 = 383 \cdot 0 + 74$$

$$383 = 74 \cdot 5 + 13$$

$$74 = 13 \cdot 5 + 9$$

$$13 = 9 \cdot 1 + 4$$

$$9 = 4 \cdot 2 + 1$$

$$4 = (1) \cdot 4 + 0$$

$$\text{mcd} = 1$$

3. $\text{mcd}(7544, 119)$

$$7544 = 119 \cdot 63 + 69$$

$$119 = 69 \cdot 1 + 40$$

$$69 = 40 \cdot 1 + 23$$

$$40 = (23) \cdot 2 + 0$$

$$\text{mcd} = 23$$

4. $\text{mcd}(687, 24)$

$$687 = 24 \cdot 28 + 15$$

$$24 = 15 \cdot 1 + 9$$

$$15 = 9 \cdot 1 + 6$$

$$9 = 6 \cdot 1 + 3$$

$$6 = (3) \cdot 2 + 0$$

$$\text{mcd} = 3$$