

Actividad

1.

170	2
85	5
17	17
1	

$$170 = 2 \times 5 \times 17 \quad \text{DP}$$

$$CD = (1+1)(1+1)(1+1)$$

$$CD = 8$$

$$8 = 3 \cdot x + 1$$

$$4 = x$$

↓
DC

2.

1540	2
770	2
385	5
77	7
11	11
1	

$$1540 = 2^2 \times 5 \times 7 \times 11 \quad \text{DP}$$

$$CD = (2+1)(1+1)(1+1)(1+1)$$

$$CD = 24$$

$$24 = 4 \cdot x + 1$$

$$19 = x$$

↓
DC

3.

5400	2
2700	2
1350	2
675	3
225	3
75	3
25	5
5	5
1	

$$5400 = 2^3 \times 3^3 \times 5^2 \quad \text{DP}$$

$$CD = (3+1)(3+1)(2+1)$$

$$CD = 48$$

$$48 = 3 + x + 1$$

$$44 = x$$

↓
DC

4.

729	3	27	3
243	3	9	3
81	3	3	3
		1	

$$729 = 3^6 \quad \text{DP}$$

$$CD = (6+1)$$

$$CD = 7$$

$$7 = 1 + x + 1$$

$$5 = x \rightarrow \text{DC}$$

5.

960	2
480	2
240	2
120	2
60	2
30	2
15	3
5	5
1	

$$960 = 2^6 \times 3 \times 5 \quad DP$$

$$CD = (6+1)(1+1)(1+1)$$

$$CD = 28$$

$$28 = 3 + x + 1$$

$$24 = x$$

DC