

24.

1176	3
392	2
186	2
98	2
49	7
7	7
1	

5400	5
1080	5
216	3
72	3
24	3
8	2
4	2
2	2
1	

25. a) $D(144; 72) = 2^3 \cdot 3^2 = 72$

144	3	72	3
48	3	24	3
16	2	8	2
8	2	4	2
4	2	2	2
2	2	1	
1			

b) $D(120; 144; 324) = 3 \cdot 2 \cdot 2 = 12$

120	5	144	3	324	3
24	3	48	3	108	3
8	2	16	2	36	3
4	2	8	2	12	3
2	2	4	2	4	2
1		2	2	2	2
		1		1	

26. a) $K(25; 38) = 5 \cdot 5 \cdot 2 \cdot 19 = 950$

25	5	38	2
5	5	19	19
1		1	

$$8) K(108; 216; 135) = 3^3 \cdot 2^2 \cdot 4 \cdot 9 \cdot 5 = 19'440$$

$$\begin{array}{r|l} 108 & 3 \\ 36 & 3 \\ 12 & 3 \\ 4 & 2 \\ 2 & 2 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 216 & 4 \\ 54 & 9 \\ 6 & 3 \\ 2 & 2 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 135 & 5 \\ 27 & 9 \\ 3 & 3 \\ 1 & \end{array}$$

$$8) K(70; 35; 280) = 2^2 \cdot 5 \cdot 7 = 140$$

$$\begin{array}{r|l} 70 & 5 \\ 14 & 2 \\ 7 & 7 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 35 & 7 \\ 5 & 5 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 280 & 5 \\ 56 & 2 \\ 28 & 7 \\ 4 & 2 \\ 2 & 2 \\ 1 & \end{array}$$