

Прости бројеви:

2, 3, 5, 7, 11, 13, 17, 19 ...

8	12	2
4	6	2
2	3	2
1	3	3
	1	

$$\text{H3C}(8,12) = 2*2*2*3 = 24$$

18	24	2
9	12	2
9	6	2
9	3	3
3	1	3
1		

$$\text{H3C}(18,24) = 2*2*2*3*3 = 8*9=72$$

40	60	2
20	30	2
10	15	2
5	15	3
5	5	5
1	1	

$$\begin{aligned} \text{H3C}(40,60) &= 2*2*2*3*5 = \\ &= 2*5*2*2*3 = 10*12=120 \end{aligned}$$

48	72	2
24	36	2
12	18	2
6	9	2
3	9	3
1	3	3
	1	

$$\begin{aligned} \text{H3C}(48,72) &= 2*2*2*2*3*3 \\ &= 16*9= 144 \end{aligned}$$

90	105	2
45	105	3
15	35	3
5	35	5
1	7	7
	1	

$$\begin{aligned} \text{H3C}(90,105) &= 2*3*3*5*7 \\ &= 18*35=630 \end{aligned}$$

120	180	2
60	90	2
30	45	2
15	45	3
5	15	3
5	5	5
1	1	

$$\begin{aligned} \text{H3C}(120,180) &= 2*2*2*3*3*5 \\ &= 2*5*2*2*3*3=10*4*9*10*36=360 \end{aligned}$$

72	108	2
36	54	2
18	27	2
9	27	3
3	9	3
1	3	3
	1	

$$\begin{aligned} \text{H3C}(72,108) &= 2*2*2*3*3*3 \\ &= 8*27=216 \end{aligned}$$

800	540	2
400	270	2
200	135	2
100	135	2
50	135	2
25	135	3
25	45	3
25	15	3
25	5	5
5	1	5
1		

$$\begin{aligned} \text{H3S}(800,540) &= 2*2*2*2*2*3*3*3*5*5= \\ &= 2*5*2*5*2*2*2*3*3*3=100*8*27= \\ &= 100*8*27=100*216=21600 \end{aligned}$$

45	60	90	2
45	30	45	2
45	15	45	3
15	5	15	3
5	5	5	5
1	1	1	

$$H3C(45,60,90)=2*2*3*3*5$$

$$=4*9*5=20*9=180$$

24	36	42	2
12	18	21	2
6	9	21	2
3	9	21	3
1	3	7	3
	1	7	7
		1	

$$H3C(24,36,42)=2*2*2*3*3*7=8*9*7=72*7=504$$

14	40	55	2
7	20	55	2
7	10	55	2
7	5	55	5
7	1	11	7
1		11	11
		1	

$$H3C(14,40,55)=2*2*2*5*7*11$$

$$=2*5*2*2*7*11=10*28*11$$

$$=10*308=3080$$

ДОМАЋИ ЗАДАТАК

12	20	2
6	10	2
3	5	3
1	5	5
	1	

$$H3C(12,20) = 2*2*3*5=12*5=60$$

50	75	2
25	75	3
25	25	5
5	5	5
1	1	

$$H3C(50,75) = 2*3*5*5=6*25=150$$

24	88	2
12	44	2
6	22	2
3	11	3
1	11	11
	1	

$$H3C(24,88)=2*2*2*3*11$$

$$=8*33=264$$

120	160	200	2
60	80	100	2
30	40	50	2
15	20	25	2
15	10	25	2
15	5	25	3
5	5	25	5
1	1	5	5
		1	

$$H3C(120,160,200)=2*2*2*2*3*5*5$$

$$=32*3*25=96*25=2400$$

$$=10*10*8*3=2400$$