Prime Numbers

Worksheet 3

Fill in the missing numbers to complete the working of Prime Factorization.

Example:

2	32
2	16
2	8
2	4
2	2
	1

$\underline{2} * \underline{2} * \underline{2} * \underline{} * \underline{2}$
= $\underline{32}$.

2	72
2	
2	18
3	3
	1

$\underline{2} * \underline{2} * \underline{2} * \underline{} * \underline{3}$
= $\underline{72}$.

2	120
2	60
2	
3	15
	1

$\underline{2} * \underline{2} * \underline{2} * \underline{3} * \underline{}$
= $\underline{120}$.

2	252
2	
3	63
3	
	7
	1

$\underline{2} * \underline{2} * \underline{3} * \underline{3} * \underline{}$
= $\underline{252}$.

	168
2	84
2	
3	
7	7
	1

$\underline{} * \underline{2} * \underline{2} * \underline{3} * \underline{7}$
= $\underline{168}$.

2	420
2	
3	105
7	7
	1

$\underline{2} * \underline{2} * \underline{3} * \underline{} * \underline{7}$
= $\underline{420}$.

2	210
3	
	25
5	
	1

$\underline{2} * \underline{3} * \underline{} * \underline{5}$
= $\underline{210}$.

2	378
3	189
3	
	21
7	
	1

$\underline{2} * \underline{3} * \underline{3} * \underline{} * \underline{7}$
= $\underline{378}$.

2	2310
3	
5	385
11	11
	1

$\underline{2} * \underline{3} * \underline{5} * \underline{} * \underline{11}$
= $\underline{2310}$.

2	32
2	16
2	8
2	4
2	2
	1

$\underline{2} * \underline{2} * \underline{2} * \underline{2} * \underline{2}$
= $\underline{32}$

2	72
2	36
2	18
3	9
3	3
	1

$\underline{2} * \underline{2} * \underline{2} * \underline{3} * \underline{3}$
= $\underline{72}$

2	120
2	60
2	30
3	15
5	5
	1

$\underline{2} * \underline{2} * \underline{2} * \underline{3} * \underline{5}$
= $\underline{120}$

2	252
2	126
3	63
3	21
7	7
	1

$\underline{2} * \underline{2} * \underline{3} * \underline{3} * \underline{7}$
= $\underline{252}$

2	168
2	84
2	42
3	21
7	7
	1

$\underline{2} * \underline{2} * \underline{2} * \underline{3} * \underline{7}$
= $\underline{168}$

2	420
2	210
3	105
5	35
7	7
	1

$\underline{2} * \underline{2} * \underline{3} * \underline{5} * \underline{7}$
= $\underline{420}$

2	210
3	105
5	25
5	5
	1

$\underline{2} * \underline{3} * \underline{5} * \underline{5}$
= $\underline{210}$

2	378
3	189
3	63
3	21
7	7
	1

$\underline{2} * \underline{3} * \underline{3} * \underline{3} * \underline{7}$
= $\underline{378}$

2	2310
3	1155
5	385
7	77
11	11
	1

$\underline{2} * \underline{3} * \underline{5} * \underline{7} * \underline{11}$
= $\underline{2310}$