

Solutions for:

100 Number Mine Problems: Multiplication 1-10

The **Answer** column lists the target numbers. The **Number of Terms** column gives the allowed number of terms per equation. E.g. “2” for “2 Numbers” problems. The list of equations under the **Examples** column is *not* exhaustive. One or more example solutions are given for each target number, but there may be more.

The parentheses in the **Examples** are superfluous and are only included for better readability. Note that an asterisk * is used to represent multiplication in place of \times .

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8	9	4
10	8	5
2	6	7

Answer	Number of Terms	Examples
80	2	$8*10$
14	2	$7*2$
64	2	$8*8$
50	2	$5*10$
45	2	$9*5$
24	2	$4*6$
42	2	$7*6$
63	2	$7*9$
8	2	$4*2$
60	2	$10*6$
56	3	$(4*7)*2$
384	3	$(8*6)*8$

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10	6	3
9	5	8
3	2	7

Answer	Number of Terms	Examples
35	2	$5*7$
70	2	$10*7$
16	2	$8*2$
48	2	$6*8$
20	2	$10*2$
42	2	$7*6$
10	2	$5*2$
18	2	$3*6, 9*2$
56	2	$7*8$
40	2	$8*5$
42	3	$(7*2)*3$
420	3	$(10*6)*7$

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9	2	4
7	3	6
8	10	5

Answer	Number of Terms	Examples
56	2	$8*7$
48	2	$8*6$
8	2	$4*2$
12	2	$3*4, 2*6$
27	2	$9*3$
32	2	$8*4$
42	2	$6*7$
70	2	$10*7$
72	2	$8*9$
18	2	$2*9, 3*6$
189	3	$(9*3)*7$
84	3	$(4*7)*3, (2*7)*6$

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8	10	7
9	3	4
2	6	10

Answer	Number of Terms	Examples
32	2	$8*4$
21	2	$3*7$
60	2	$6*10$
56	2	$7*8$
8	2	$2*4$
14	2	$2*7$
30	2	$3*10$
6	2	$3*2$
63	2	$9*7$
36	2	$9*4$
700	3	$(10*7)*10$
480	3	$(6*8)*10$

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2	5	6
10	7	3
9	4	8

Answer	Number of Terms	Examples
16	2	$2*8$
40	2	$5*8, 10*4$
18	2	$9*2, 6*3$
32	2	$4*8$
50	2	$5*10$
14	2	$2*7$
28	2	$7*4$
10	2	$5*2$
20	2	$10*2, 5*4$
6	2	$2*3$
168	3	$(8*7)*3, (7*4)*6$
160	3	$(10*2)*8, (8*5)*4$

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9	6	3
10	4	7
8	5	2

Answer	Number of Terms	Examples
70	2	$10*7$
56	2	$7*8$
8	2	$4*2$
30	2	$6*5, 10*3$
60	2	$10*6$
42	2	$6*7$
36	2	$4*9$
40	2	$5*8, 10*4$
18	2	$3*6, 9*2$
14	2	$2*7$
80	3	$(4*2)*10, (2*8)*5$
560	3	$(8*10)*7$

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8	5	9
6	3	10
7	2	4

Answer	Number of Terms	Examples
10	2	$5*2$
14	2	$2*7$
90	2	$9*10$
80	2	$10*8$
70	2	$7*10$
35	2	$7*5$
48	2	$8*6$
32	2	$4*8$
36	2	$9*4$
63	2	$7*9$
192	3	$(8*6)*4$
400	3	$(10*5)*8$

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9	6	2
8	5	4
10	3	3

Answer	Number of Terms	Examples
60	2	$10*6$
12	2	$3*4, 2*6$
20	2	$2*10, 4*5$
16	2	$2*8$
24	2	$8*3, 6*4$
45	2	$9*5$
6	2	$2*3$
18	2	$2*9, 3*6$
10	2	$5*2$
27	2	$9*3$
144	3	$(3*6)*8, (8*2)*9$
36	3	$(4*3)*3, (6*3)*2$

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9	5	6
6	10	7
3	2	4

Answer	Number of Terms	Examples
24	2	$6*4$
10	2	$2*5$
36	2	$6*6, 9*4$
70	2	$10*7$
40	2	$10*4$
60	2	$10*6$
12	2	$4*3, 6*2$
20	2	$10*2, 4*5$
54	2	$9*6$
45	2	$9*5$
60	3	$(10*2)*3, (5*2)*6, (3*4)*5$
135	3	$(9*5)*3$

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8	5	6
3	7	4
10	2	9

Answer	Number of Terms	Examples
36	2	9^4
32	2	8^4
20	2	$10^2, 5^4$
35	2	7^5
63	2	7^9
16	2	8^2
27	2	3^9
24	2	$3^8, 6^4$
8	2	4^2
70	2	10^7
315	3	$(7^5)^9$
560	3	$(7^8)^{10}$

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10	9	7
2	5	3
8	6	4

Answer	Number of Terms	Examples
28	2	7^4
8	2	4^2
15	2	3^5
50	2	10^5
48	2	8^6
14	2	2^7
45	2	9^5
27	2	3^9
18	2	$2^9, 6^3$
36	2	4^9
144	3	$(9^2)^8, (8^3)^6$
108	3	$(3^9)^4, (2^6)^9$

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8	5	7
4	6	2
9	10	3

Answer	Number of Terms	Examples
27	2	3^9
18	2	$2^9, 6^3$
40	2	$10^4, 8^5$
50	2	10^5
20	2	$2^{10}, 4^5$
28	2	4^7
14	2	7^2
80	2	10^8
10	2	5^2
16	2	8^2
432	3	$(8^9)^6$
64	3	$(4^2)^8$

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2	3	5
4	6	6
7	9	8

Answer	Number of Terms	Examples
15	2	3^*5
20	2	5^*4
27	2	9^*3
48	2	6^*8
12	2	$3^*4, 2^*6$
16	2	8^*2
30	2	6^*5
63	2	9^*7
21	2	7^*3
8	2	4^*2
60	3	$(6^*5)^*2, (5^*3)^*4$
140	3	$(7^*4)^*5$

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5	7	3
6	9	8
10	4	2

Answer	Number of Terms	Examples
40	2	$5^*8, 4^*10$
16	2	2^*8
60	2	10^*6
8	2	4^*2
36	2	4^*9
21	2	3^*7
28	2	7^*4
14	2	2^*7
50	2	10^*5
45	2	5^*9
432	3	$(8^*9)^*6$
135	3	$(5^*3)^*9$

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8	5	6
9	10	2
7	3	4

Answer	Number of Terms	Examples
20	2	$10^*2, 5^*4$
27	2	3^*9
35	2	5^*7
10	2	5^*2
6	2	2^*3
36	2	9^*4
14	2	2^*7
54	2	6^*9
12	2	$4^*3, 6^*2$
63	2	7^*9
630	3	$(7^*10)^*9$
350	3	$(5^*7)^*10$

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5	2	7
4	3	8
2	10	6

Answer	Number of Terms	Examples
70	2	$10 \cdot 7$
56	2	$7 \cdot 8$
10	2	$5 \cdot 2$
8	2	$4 \cdot 2$
20	2	$2 \cdot 10, 4 \cdot 5$
35	2	$5 \cdot 7$
6	2	$3 \cdot 2$
80	2	$10 \cdot 8$
32	2	$4 \cdot 8$
30	2	$6 \cdot 5, 10 \cdot 3$
300	3	$(10 \cdot 5) \cdot 6$
560	3	$(8 \cdot 7) \cdot 10$

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7	4	9
5	8	10
6	2	3

Answer	Number of Terms	Examples
45	2	$5 \cdot 9$
30	2	$5 \cdot 6, 3 \cdot 10$
15	2	$3 \cdot 5$
72	2	$9 \cdot 8$
18	2	$9 \cdot 2, 6 \cdot 3$
35	2	$7 \cdot 5$
48	2	$6 \cdot 8$
36	2	$4 \cdot 9$
80	2	$8 \cdot 10$
12	2	$4 \cdot 3, 6 \cdot 2$
288	3	$(9 \cdot 4) \cdot 8$
120	3	$(2 \cdot 6) \cdot 10, (3 \cdot 5) \cdot 8, (4 \cdot 5) \cdot 6$

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4	6	3
5	7	9
10	2	8

Answer	Number of Terms	Examples
36	2	$9 \cdot 4$
14	2	$2 \cdot 7$
27	2	$9 \cdot 3$
35	2	$5 \cdot 7$
70	2	$10 \cdot 7$
32	2	$8 \cdot 4$
12	2	$3 \cdot 4, 2 \cdot 6$
63	2	$7 \cdot 9$
50	2	$10 \cdot 5$
18	2	$9 \cdot 2, 6 \cdot 3$
540	3	$(6 \cdot 9) \cdot 10$
60	3	$(5 \cdot 3) \cdot 4, (6 \cdot 2) \cdot 5, (2 \cdot 3) \cdot 10$

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5	9	3
8	10	7
2	6	4

Answer	Number of Terms	Examples
24	2	$3^*8, 6^*4$
10	2	2^*5
6	2	2^*3
48	2	8^*6
70	2	10^*7
36	2	9^*4
35	2	5^*7
90	2	9^*10
50	2	10^*5
45	2	5^*9
84	3	$(3^*4)^*7, (2^*7)^*6$
400	3	$(10^*8)^*5$

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10	3	8
5	7	2
4	6	9

Answer	Number of Terms	Examples
27	2	9^*3
15	2	3^*5
63	2	9^*7
35	2	7^*5
90	2	10^*9
80	2	10^*8
72	2	9^*8
54	2	9^*6
16	2	8^*2
70	2	7^*10
432	3	$(8^*9)^*6$
56	3	$(2^*4)^*7$

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4	10	9
7	5	3
6	8	2

Answer	Number of Terms	Examples
21	2	7^*3
48	2	8^*6
80	2	8^*10
10	2	2^*5
50	2	5^*10
12	2	$3^*4, 2^*6$
24	2	$6^*4, 3^*8$
6	2	2^*3
63	2	7^*9
90	2	9^*10
432	3	$(8^*6)^*9$
224	3	$(8^*7)^*4$

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4	2	3
7	9	6
10	8	5

Answer	Number of Terms	Examples
45	2	9×5
30	2	$6 \times 5, 3 \times 10$
12	2	$3 \times 4, 2 \times 6$
36	2	4×9
63	2	9×7
56	2	8×7
60	2	6×10
28	2	4×7
70	2	10×7
6	2	3×2
378	3	$(9 \times 7) \times 6$
100	3	$(2 \times 5) \times 10$

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9	1	8
5	2	7
3	6	10

Answer	Number of Terms	Examples
18	2	$2 \times 9, 6 \times 3$
2	2	2×1
40	2	8×5
60	2	10×6
50	2	5×10
20	2	2×10
3	2	1×3
8	2	1×8
10	2	$10 \times 1, 5 \times 2$
21	2	7×3
30	3	$(2 \times 5) \times 3, (6 \times 5) \times 1, (10 \times 1) \times 3$
35	3	$(7 \times 5) \times 1$

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10	8	4
7	9	6
3	5	2

Answer	Number of Terms	Examples
27	2	3×9
45	2	9×5
14	2	2×7
15	2	5×3
40	2	$5 \times 8, 10 \times 4$
90	2	10×9
28	2	7×4
18	2	$2 \times 9, 6 \times 3$
54	2	6×9
8	2	2×4
400	3	$(5 \times 8) \times 10$
108	3	$(9 \times 4) \times 3, (2 \times 9) \times 6$

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4	5	8
3	5	9
6	7	10

Answer	Number of Terms	Examples
60	2	$10 \cdot 6$
90	2	$10 \cdot 9$
80	2	$10 \cdot 8$
28	2	$4 \cdot 7$
18	2	$3 \cdot 6$
63	2	$9 \cdot 7$
30	2	$6 \cdot 5, 3 \cdot 10$
15	2	$3 \cdot 5$
12	2	$4 \cdot 3$
32	2	$4 \cdot 8$
360	3	$(4 \cdot 10) \cdot 9, (5 \cdot 8) \cdot 9$
288	3	$(9 \cdot 8) \cdot 4$

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3	4	10
5	8	2
9	7	6

Answer	Number of Terms	Examples
27	2	$9 \cdot 3$
54	2	$9 \cdot 6$
15	2	$5 \cdot 3$
32	2	$4 \cdot 8$
45	2	$5 \cdot 9$
16	2	$2 \cdot 8$
20	2	$10 \cdot 2, 4 \cdot 5$
6	2	$2 \cdot 3$
21	2	$3 \cdot 7$
56	2	$8 \cdot 7$
162	3	$(9 \cdot 6) \cdot 3$
320	3	$(8 \cdot 4) \cdot 10$

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8	3	10
5	7	6
9	2	10

Answer	Number of Terms	Examples
35	2	$5 \cdot 7$
40	2	$5 \cdot 8$
15	2	$3 \cdot 5$
50	2	$5 \cdot 10$
100	2	$10 \cdot 10$
54	2	$9 \cdot 6$
30	2	$6 \cdot 5, 3 \cdot 10$
70	2	$10 \cdot 7$
16	2	$2 \cdot 8$
80	2	$8 \cdot 10$
108	3	$(2 \cdot 9) \cdot 6$
120	3	$(5 \cdot 3) \cdot 8, (6 \cdot 10) \cdot 2$

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7	10	2
9	4	8
6	3	7

Answer	Number of Terms	Examples
60	2	10^*6
30	2	3^*10
72	2	8^*9
6	2	2^*3
56	2	8^*7
16	2	8^*2
54	2	9^*6
32	2	4^*8
14	2	2^*7
80	2	10^*8
240	3	$(10^*6)^*4, (10^*3)^*8$
378	3	$(6^*9)^*7$

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5	2	8
6	7	3
9	4	10

Answer	Number of Terms	Examples
32	2	4^*8
16	2	8^*2
54	2	9^*6
27	2	9^*3
30	2	$6^*5, 10^*3$
50	2	10^*5
70	2	10^*7
24	2	$8^*3, 6^*4$
18	2	$3^*6, 9^*2$
56	2	8^*7
210	3	$(7^*5)^*6, (3^*10)^*7$
200	3	$(4^*5)^*10$

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2	5	9
8	4	7
6	3	10

Answer	Number of Terms	Examples
60	2	6^*10
90	2	10^*9
6	2	2^*3
28	2	7^*4
48	2	8^*6
21	2	7^*3
12	2	$3^*4, 2^*6$
20	2	$2^*10, 4^*5$
50	2	5^*10
54	2	9^*6
36	3	$(6^*3)^*2$
630	3	$(7^*10)^*9$

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5	2	6
8	4	7
10	3	9

Answer	Number of Terms	Examples
45	2	$9*5$
32	2	$8*4$
6	2	$3*2$
21	2	$3*7$
18	2	$3*6, 9*2$
54	2	$6*9$
56	2	$8*7$
28	2	$4*7$
63	2	$9*7$
72	2	$8*9$
60	3	$(10*2)*3, (4*5)*3, (2*6)*5$
112	3	$(8*7)*2$

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6	9	7
8	5	10
4	2	3

Answer	Number of Terms	Examples
6	2	$3*2$
36	2	$4*9$
56	2	$8*7$
8	2	$2*4$
15	2	$5*3$
48	2	$6*8$
35	2	$7*5$
70	2	$10*7$
60	2	$10*6$
24	2	$6*4, 3*8$
420	3	$(7*10)*6$
112	3	$(2*7)*8$

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5	9	6
2	10	7
3	4	8

Answer	Number of Terms	Examples
42	2	$7*6$
48	2	$8*6$
90	2	$9*10$
32	2	$4*8$
10	2	$2*5$
70	2	$10*7$
15	2	$3*5$
21	2	$3*7$
18	2	$2*9, 6*3$
72	2	$8*9$
100	3	$(10*2)*5$
36	3	$(3*6)*2$

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2	9	7
10	6	5
4	3	8

Answer	Number of Terms	Examples
40	2	$8^*5, 10^*4$
90	2	9^*10
15	2	5^*3
18	2	$9^*2, 6^*3$
56	2	7^*8
30	2	$6^*5, 10^*3$
70	2	10^*7
48	2	8^*6
80	2	10^*8
42	2	6^*7
288	3	$(9^*8)^*4$
180	3	$(9^*5)^*4, (9^*2)^*10, (3^*10)^*6$

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7	6	3
4	10	2
5	9	8

Answer	Number of Terms	Examples
45	2	9^*5
27	2	9^*3
36	2	4^*9
10	2	2^*5
35	2	7^*5
15	2	3^*5
90	2	10^*9
56	2	8^*7
21	2	7^*3
80	2	8^*10
80	3	$(8^*2)^*5, (4^*2)^*10$
480	3	$(6^*8)^*10$

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2	6	10
3	7	8
9	5	3

Answer	Number of Terms	Examples
54	2	6^*9
45	2	9^*5
42	2	7^*6
63	2	7^*9
80	2	8^*10
30	2	$5^*6, 3^*10$
14	2	7^*2
9	2	3^*3
18	2	$2^*9, 6^*3$
40	2	8^*5
112	3	$(2^*8)^*7$
162	3	$(9^*3)^*6$

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5	4	7
2	3	10
9	6	8

Answer	Number of Terms	Examples
18	2	$2 \cdot 9, 6 \cdot 3$
16	2	$2 \cdot 8$
35	2	$7 \cdot 5$
56	2	$8 \cdot 7$
60	2	$6 \cdot 10$
63	2	$7 \cdot 9$
54	2	$6 \cdot 9$
24	2	$8 \cdot 3, 6 \cdot 4$
21	2	$7 \cdot 3$
30	2	$6 \cdot 5, 3 \cdot 10$
400	3	$(5 \cdot 8) \cdot 10$
70	3	$(7 \cdot 5) \cdot 2$

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2	8	4
9	7	3
10	5	6

Answer	Number of Terms	Examples
36	2	$9 \cdot 4$
20	2	$10 \cdot 2, 5 \cdot 4$
42	2	$6 \cdot 7$
32	2	$8 \cdot 4$
15	2	$5 \cdot 3$
90	2	$10 \cdot 9$
56	2	$7 \cdot 8$
70	2	$10 \cdot 7$
63	2	$7 \cdot 9$
8	2	$2 \cdot 4$
64	3	$(2 \cdot 8) \cdot 4$
60	3	$(4 \cdot 5) \cdot 3, (2 \cdot 6) \cdot 5, (3 \cdot 10) \cdot 2$

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6	7	9
4	2	10
8	5	3

Answer	Number of Terms	Examples
48	2	$8 \cdot 6$
24	2	$6 \cdot 4, 3 \cdot 8$
50	2	$10 \cdot 5$
6	2	$3 \cdot 2$
80	2	$8 \cdot 10$
60	2	$10 \cdot 6$
27	2	$3 \cdot 9$
16	2	$8 \cdot 2$
12	2	$2 \cdot 6, 4 \cdot 3$
8	2	$4 \cdot 2$
450	3	$(5 \cdot 9) \cdot 10$
42	3	$(7 \cdot 3) \cdot 2$

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3	3	4
5	9	10
8	7	6

Answer	Number of Terms	Examples
90	2	$10 \cdot 9$
15	2	$3 \cdot 5$
63	2	$7 \cdot 9$
20	2	$5 \cdot 4$
48	2	$8 \cdot 6$
70	2	$7 \cdot 10$
18	2	$6 \cdot 3$
35	2	$7 \cdot 5$
36	2	$9 \cdot 4$
72	2	$8 \cdot 9$
180	3	$(9 \cdot 4) \cdot 5, (3 \cdot 10) \cdot 6$
45	3	$(3 \cdot 3) \cdot 5$

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9	5	2
7	4	6
10	3	8

Answer	Number of Terms	Examples
8	2	$4 \cdot 2$
18	2	$9 \cdot 2, 6 \cdot 3$
80	2	$8 \cdot 10$
48	2	$8 \cdot 6$
30	2	$6 \cdot 5, 10 \cdot 3$
54	2	$9 \cdot 6$
32	2	$8 \cdot 4$
12	2	$3 \cdot 4, 2 \cdot 6$
16	2	$8 \cdot 2$
35	2	$5 \cdot 7$
192	3	$(6 \cdot 4) \cdot 8$
64	3	$(8 \cdot 4) \cdot 2$

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4	6	9
5	2	10
8	3	7

Answer	Number of Terms	Examples
32	2	$8 \cdot 4$
14	2	$2 \cdot 7$
30	2	$5 \cdot 6, 3 \cdot 10$
60	2	$10 \cdot 6$
15	2	$3 \cdot 5$
27	2	$9 \cdot 3$
16	2	$2 \cdot 8$
70	2	$7 \cdot 10$
28	2	$4 \cdot 7$
56	2	$8 \cdot 7$
84	3	$(2 \cdot 7) \cdot 6, (3 \cdot 7) \cdot 4$
112	3	$(2 \cdot 7) \cdot 8$

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5	10	3
2	8	9
4	5	7

Answer	Number of Terms	Examples
40	2	$8^*5, 4^*10$
25	2	5^*5
35	2	7^*5
15	2	5^*3
14	2	2^*7
72	2	9^*8
30	2	3^*10
56	2	7^*8
45	2	9^*5
12	2	4^*3
112	3	$(8^*2)^*7$
280	3	$(4^*10)^*7, (5^*8)^*7$

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10	2	7
8	5	9
6	4	3

Answer	Number of Terms	Examples
20	2	$2^*10, 4^*5$
18	2	$3^*6, 9^*2$
90	2	10^*9
8	2	2^*4
15	2	3^*5
45	2	5^*9
32	2	8^*4
12	2	$3^*4, 2^*6$
27	2	3^*9
63	2	7^*9
144	3	$(6^*3)^*8, (8^*9)^*2$
192	3	$(4^*8)^*6$

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2	8	9
6	5	7
4	3	10

Answer	Number of Terms	Examples
16	2	8^*2
15	2	3^*5
28	2	7^*4
42	2	6^*7
14	2	7^*2
35	2	7^*5
56	2	7^*8
10	2	5^*2
90	2	9^*10
45	2	5^*9
189	3	$(3^*9)^*7$
450	3	$(5^*10)^*9$

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7	3	5
8	9	4
6	10	2

Answer	Number of Terms	Examples
12	2	$2^*6, 4^*3$
56	2	7^*8
35	2	7^*5
15	2	3^*5
18	2	$3^*6, 9^*2$
10	2	5^*2
20	2	$10^*2, 4^*5$
24	2	$8^*3, 6^*4$
27	2	3^*9
36	2	4^*9
270	3	$(10^*3)^*9, (6^*9)^*5$
504	3	$(8^*7)^*9$

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8	6	2
10	9	3
7	5	4

Answer	Number of Terms	Examples
6	2	3^*2
14	2	2^*7
20	2	$2^*10, 4^*5$
10	2	2^*5
60	2	10^*6
48	2	8^*6
63	2	7^*9
56	2	8^*7
50	2	5^*10
54	2	6^*9
56	3	$(2^*4)^*7$
80	3	$(4^*10)^*2, (2^*8)^*5$

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7	8	2
9	3	5
10	4	6

Answer	Number of Terms	Examples
80	2	8^*10
90	2	10^*9
18	2	$9^*2, 6^*3$
10	2	2^*5
50	2	5^*10
28	2	4^*7
72	2	8^*9
40	2	$8^*5, 4^*10$
48	2	6^*8
70	2	10^*7
189	3	$(7^*9)^*3$
720	3	$(10^*9)^*8$

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7	9	6
8	2	3
5	10	4

Answer	Number of Terms	Examples
45	2	5^*9
6	2	2^*3
40	2	$5^*8, 4^*10$
12	2	$3^*4, 6^*2$
80	2	10^*8
35	2	7^*5
24	2	$8^*3, 6^*4$
30	2	$6^*5, 10^*3$
18	2	$9^*2, 6^*3$
10	2	5^*2
252	3	$(9^*4)^*7$
30	3	$(5^*2)^*3$

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7	9	10
2	5	6
3	4	8

Answer	Number of Terms	Examples
50	2	5^*10
32	2	8^*4
15	2	5^*3
6	2	2^*3
21	2	7^*3
30	2	$5^*6, 10^*3$
60	2	6^*10
45	2	9^*5
42	2	6^*7
28	2	7^*4
90	3	$(3^*5)^*6, (2^*9)^*5$
360	3	$(10^*9)^*4, (5^*8)^*9$

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9	6	10
7	3	5
8	2	4

Answer	Number of Terms	Examples
10	2	2^*5
20	2	$10^*2, 5^*4$
27	2	3^*9
42	2	6^*7
72	2	9^*8
8	2	4^*2
30	2	$5^*6, 10^*3$
18	2	$3^*6, 9^*2$
36	2	9^*4
15	2	5^*3
168	3	$(4^*7)^*6, (8^*3)^*7$
378	3	$(9^*6)^*7$

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8	2	10
4	3	6
5	7	9

Answer	Number of Terms	Examples
36	2	9^4
70	2	10^7
24	2	$8^3, 4^6$
12	2	$3^4, 2^6$
80	2	10^8
15	2	5^3
21	2	7^3
56	2	7^8
72	2	9^8
35	2	5^7
80	3	$(2^8)^5, (10^2)^4$
54	3	$(3^2)^9$

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8	4	9
5	3	10
6	2	3

Answer	Number of Terms	Examples
80	2	10^8
50	2	5^{10}
54	2	9^6
30	2	$6^5, 3^{10}$
18	2	$2^9, 6^3$
8	2	4^2
27	2	9^3
15	2	3^5
36	2	9^4
24	2	$8^3, 6^4$
144	3	$(3^6)^8, (8^2)^9$
720	3	$(9^{10})^8$

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8	6	2
9	7	4
5	10	3

Answer	Number of Terms	Examples
6	2	2^3
12	2	$2^6, 4^3$
15	2	3^5
80	2	8^{10}
21	2	7^3
63	2	7^9
24	2	$3^8, 4^6$
45	2	9^5
90	2	9^{10}
40	2	$5^8, 4^{10}$
360	3	$(8^5)^9, (10^4)^9$
40	3	$(5^2)^4$

4	10	8
6	7	5
9	3	2

Answer	Number of Terms	Examples
21	2	3^*7
50	2	5^*10
6	2	2^*3
36	2	9^*4
72	2	9^*8
16	2	2^*8
10	2	5^*2
90	2	9^*10
56	2	8^*7
80	2	10^*8
240	3	$(8^*6)^*5, (6^*4)^*10, (8^*3)^*10$
288	3	$(4^*9)^*8$

3	5	2
7	9	4
10	8	6

Answer	Number of Terms	Examples
45	2	5^*9
30	2	$5^*6, 10^*3$
20	2	$10^*2, 5^*4$
16	2	8^*2
28	2	7^*4
12	2	$3^*4, 2^*6$
32	2	8^*4
6	2	3^*2
90	2	9^*10
35	2	7^*5
144	3	$(8^*2)^*9, (6^*8)^*3$
504	3	$(8^*9)^*7$

10	4	5
8	7	9
5	6	3

Answer	Number of Terms	Examples
56	2	8^*7
28	2	7^*4
32	2	8^*4
21	2	7^*3
80	2	10^*8
30	2	$5^*6, 10^*3$
25	2	5^*5
63	2	7^*9
72	2	8^*9
45	2	9^*5
135	3	$(5^*3)^*9$
200	3	$(4^*5)^*10, (5^*8)^*5$

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6	3	8
9	7	4
2	10	5

Answer	Number of Terms	Examples
35	2	$7*5$
18	2	$2*9, 6*3$
14	2	$2*7$
45	2	$9*5$
10	2	$2*5$
56	2	$7*8$
8	2	$4*2$
27	2	$9*3$
15	2	$3*5$
40	2	$5*8, 4*10$
162	3	$(9*3)*6$
180	3	$(9*5)*4, (2*9)*10, (3*10)*6$

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8	3	9
4	7	5
6	10	2

Answer	Number of Terms	Examples
35	2	$7*5$
54	2	$6*9$
21	2	$7*3$
45	2	$9*5$
36	2	$9*4$
50	2	$10*5$
20	2	$10*2, 5*4$
30	2	$6*5, 3*10$
15	2	$5*3$
72	2	$8*9$
378	3	$(7*6)*9$
100	3	$(2*5)*10$

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8	9	3
2	7	10
4	6	5

Answer	Number of Terms	Examples
32	2	$4*8$
90	2	$9*10$
16	2	$2*8$
10	2	$5*2$
18	2	$3*6, 9*2$
80	2	$10*8$
21	2	$7*3$
63	2	$7*9$
6	2	$3*2$
8	2	$2*4$
240	3	$(4*6)*10, (8*5)*6, (8*3)*10$
24	3	$(3*2)*4$

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10	2	9
6	5	7
8	3	4

Answer	Number of Terms	Examples
60	2	$10 \cdot 6$
48	2	$8 \cdot 6$
21	2	$3 \cdot 7$
80	2	$8 \cdot 10$
18	2	$9 \cdot 2, 6 \cdot 3$
16	2	$2 \cdot 8$
8	2	$4 \cdot 2$
10	2	$5 \cdot 2$
54	2	$9 \cdot 6$
12	2	$4 \cdot 3, 6 \cdot 2$
270	3	$(6 \cdot 5) \cdot 9, (10 \cdot 3) \cdot 9$
24	3	$(4 \cdot 3) \cdot 2$

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5	8	6
9	2	3
4	7	10

Answer	Number of Terms	Examples
90	2	$9 \cdot 10$
12	2	$4 \cdot 3, 6 \cdot 2$
42	2	$7 \cdot 6$
24	2	$8 \cdot 3, 4 \cdot 6$
54	2	$9 \cdot 6$
35	2	$5 \cdot 7$
15	2	$3 \cdot 5$
28	2	$7 \cdot 4$
36	2	$4 \cdot 9$
48	2	$8 \cdot 6$
140	3	$(5 \cdot 4) \cdot 7, (10 \cdot 7) \cdot 2$
336	3	$(7 \cdot 8) \cdot 6$

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6	2	5
3	8	9
10	7	6

Answer	Number of Terms	Examples
30	2	$6 \cdot 5, 3 \cdot 10$
63	2	$9 \cdot 7$
90	2	$9 \cdot 10$
48	2	$8 \cdot 6$
36	2	$6 \cdot 6$
27	2	$3 \cdot 9$
16	2	$8 \cdot 2$
24	2	$8 \cdot 3$
70	2	$7 \cdot 10$
14	2	$7 \cdot 2$
720	3	$(8 \cdot 9) \cdot 10$
360	3	$(5 \cdot 9) \cdot 8, (10 \cdot 6) \cdot 6$

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10	7	3
6	2	4
8	5	9

Answer	Number of Terms	Examples
15	2	3^*5
6	2	2^*3
80	2	10^*8
10	2	5^*2
60	2	6^*10
21	2	3^*7
54	2	6^*9
24	2	$8^*3, 6^*4$
72	2	9^*8
70	2	10^*7
84	3	$(7^*3)^*4, (2^*6)^*7$
54	3	$(2^*9)^*3$

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2	7	4
8	9	3
10	6	5

Answer	Number of Terms	Examples
42	2	6^*7
14	2	2^*7
15	2	3^*5
16	2	8^*2
90	2	10^*9
36	2	9^*4
20	2	$10^*2, 4^*5$
21	2	7^*3
18	2	$2^*9, 3^*6$
24	2	$6^*4, 3^*8$
192	3	$(8^*6)^*4$
80	3	$(8^*2)^*5, (2^*4)^*10$

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6	8	3
10	8	2
4	7	5

Answer	Number of Terms	Examples
80	2	8^*10
50	2	10^*5
10	2	5^*2
24	2	$3^*8, 4^*6$
56	2	8^*7
18	2	6^*3
40	2	$10^*4, 8^*5$
64	2	8^*8
8	2	2^*4
32	2	4^*8
24	3	$(3^*2)^*4$
448	3	$(7^*8)^*8$

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2	6	5
7	8	10
4	9	3

Answer	Number of Terms	Examples
54	2	$6 \cdot 9$
72	2	$8 \cdot 9$
80	2	$8 \cdot 10$
42	2	$6 \cdot 7$
24	2	$8 \cdot 3, 4 \cdot 6$
63	2	$7 \cdot 9$
16	2	$8 \cdot 2$
15	2	$3 \cdot 5$
6	2	$3 \cdot 2$
48	2	$8 \cdot 6$
40	3	$(2 \cdot 4) \cdot 5$
630	3	$(10 \cdot 7) \cdot 9$

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8	10	6
2	7	4
9	5	3

Answer	Number of Terms	Examples
27	2	$3 \cdot 9$
16	2	$8 \cdot 2$
40	2	$8 \cdot 5, 4 \cdot 10$
10	2	$2 \cdot 5$
6	2	$2 \cdot 3$
50	2	$5 \cdot 10$
90	2	$10 \cdot 9$
72	2	$9 \cdot 8$
45	2	$9 \cdot 5$
56	2	$7 \cdot 8$
70	3	$(7 \cdot 5) \cdot 2$
288	3	$(8 \cdot 4) \cdot 9$

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2	5	9
3	4	6
7	10	8

Answer	Number of Terms	Examples
8	2	$2 \cdot 4$
40	2	$5 \cdot 8, 10 \cdot 4$
56	2	$8 \cdot 7$
42	2	$7 \cdot 6$
60	2	$6 \cdot 10$
32	2	$8 \cdot 4$
6	2	$2 \cdot 3$
16	2	$2 \cdot 8$
24	2	$8 \cdot 3, 6 \cdot 4$
50	2	$5 \cdot 10$
630	3	$(9 \cdot 7) \cdot 10$
504	3	$(7 \cdot 9) \cdot 8$

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6	2	5
8	7	3
10	9	4

Answer	Number of Terms	Examples
10	2	2^5
20	2	$10^2, 5^4$
35	2	5^7
15	2	5^3
63	2	7^9
80	2	10^8
36	2	4^9
60	2	6^{10}
18	2	$2^9, 3^6$
50	2	10^5
630	3	$(10^7)^9$
36	3	$(6^3)^2$

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2	4	7
5	3	8
9	6	10

Answer	Number of Terms	Examples
12	2	$3^4, 2^6$
6	2	3^2
10	2	5^2
21	2	7^3
90	2	10^9
32	2	8^4
16	2	8^2
45	2	9^5
72	2	8^9
63	2	7^9
135	3	$(5^3)^9$
320	3	$(4^{10})^8$

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5	7	2
3	9	4
6	10	8

Answer	Number of Terms	Examples
35	2	7^5
42	2	6^7
8	2	4^2
12	2	$2^6, 4^3$
20	2	$2^{10}, 4^5$
18	2	$3^6, 9^2$
56	2	8^7
21	2	7^3
32	2	8^4
54	2	9^6
350	3	$(10^5)^7$
360	3	$(9^{10})^4, (5^8)^9$

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8	3	2
5	9	7
10	4	6

Answer	Number of Terms	Examples
30	2	$5*6, 10*3$
27	2	$9*3$
24	2	$3*8, 4*6$
90	2	$9*10$
63	2	$7*9$
70	2	$10*7$
16	2	$8*2$
28	2	$7*4$
15	2	$3*5$
32	2	$8*4$
240	3	$(8*6)*5, (6*10)*4, (10*8)*3$
160	3	$(8*4)*5, (10*8)*2$

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9	6	7
5	3	10
2	8	4

Answer	Number of Terms	Examples
14	2	$2*7$
42	2	$6*7$
60	2	$10*6$
35	2	$7*5$
90	2	$10*9$
56	2	$7*8$
36	2	$9*4$
30	2	$5*6, 3*10$
48	2	$6*8$
72	2	$9*8$
336	3	$(7*6)*8$
280	3	$(8*5)*7, (10*4)*7$

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10	3	9
6	4	8
2	7	5

Answer	Number of Terms	Examples
42	2	$6*7$
80	2	$8*10$
30	2	$5*6, 3*10$
8	2	$4*2$
12	2	$3*4, 2*6$
90	2	$10*9$
10	2	$2*5$
14	2	$7*2$
20	2	$10*2, 4*5$
28	2	$7*4$
336	3	$(6*8)*7$
168	3	$(6*7)*4, (7*3)*8$

8	6	10
2	4	3
9	5	7

Answer	Number of Terms	Examples
45	2	$9*5$
70	2	$10*7$
48	2	$8*6$
35	2	$5*7$
80	2	$10*8$
40	2	$8*5, 4*10$
54	2	$9*6$
18	2	$2*9, 3*6$
20	2	$2*10, 4*5$
42	2	$6*7$
54	3	$(9*2)*3$
42	3	$(3*7)*2$

10	2	8
3	9	5
7	4	6

Answer	Number of Terms	Examples
8	2	$4*2$
72	2	$8*9$
56	2	$8*7$
60	2	$6*10$
40	2	$8*5, 10*4$
18	2	$2*9, 6*3$
15	2	$3*5$
70	2	$7*10$
63	2	$9*7$
32	2	$8*4$
100	3	$(10*2)*5$
216	3	$(4*6)*9, (3*9)*8$

2	7	10
6	5	9
3	4	8

Answer	Number of Terms	Examples
63	2	$7*9$
27	2	$3*9$
12	2	$3*4, 6*2$
14	2	$7*2$
48	2	$6*8$
30	2	$6*5, 3*10$
24	2	$8*3, 6*4$
6	2	$3*2$
15	2	$3*5$
80	2	$10*8$
288	3	$(9*4)*8$
42	3	$(7*3)*2$

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8	9	7
4	10	6
2	5	10

Answer	Number of Terms	Examples
10	2	2^5
63	2	9^7
14	2	7^2
56	2	7^8
36	2	4^9
16	2	8^2
42	2	7^6
72	2	9^8
50	2	10^5
40	2	$5^8, 10^4$
504	3	$(8^7)^9$
100	3	$(10^2)^5$

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7	7	6
10	2	8
4	5	3

Answer	Number of Terms	Examples
42	2	6^7
18	2	6^3
20	2	$10^2, 4^5$
35	2	5^7
28	2	4^7
49	2	7^7
60	2	6^{10}
80	2	8^{10}
24	2	$8^3, 6^4$
56	2	8^7
245	3	$(7^7)^5$
192	3	$(4^6)^8$

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3	9	6
10	8	2
4	7	5

Answer	Number of Terms	Examples
48	2	8^6
15	2	3^5
14	2	2^7
8	2	2^4
12	2	$3^4, 2^6$
32	2	4^8
16	2	2^8
18	2	$3^6, 9^2$
27	2	9^3
30	2	$6^5, 10^3$
40	3	$(2^5)^4$
160	3	$(10^2)^8, (4^5)^8$

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10	3	4
5	6	2
8	7	9

Answer	Number of Terms	Examples
6	2	3^*2
80	2	10^*8
56	2	8^*7
32	2	8^*4
72	2	9^*8
8	2	2^*4
42	2	6^*7
30	2	$5^*6, 3^*10$
70	2	7^*10
27	2	3^*9
504	3	$(7^*9)^*8$
54	3	$(3^*9)^*2$

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6	5	7
10	2	9
8	4	3

Answer	Number of Terms	Examples
10	2	2^*5
72	2	8^*9
8	2	4^*2
21	2	7^*3
56	2	7^*8
36	2	4^*9
40	2	$10^*4, 8^*5$
28	2	7^*4
45	2	5^*9
80	2	10^*8
70	3	$(7^*2)^*5$
336	3	$(8^*7)^*6$

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10	6	4
7	5	3
2	8	9

Answer	Number of Terms	Examples
27	2	3^*9
45	2	5^*9
16	2	8^*2
30	2	$6^*5, 3^*10$
56	2	8^*7
18	2	$9^*2, 6^*3$
48	2	8^*6
50	2	10^*5
15	2	3^*5
20	2	$10^*2, 4^*5$
420	3	$(10^*6)^*7$
378	3	$(6^*7)^*9$

8	2	7
4	9	6
10	5	3

Answer	Number of Terms	Examples
40	2	$8*5, 4*10$
70	2	$7*10$
35	2	$7*5$
20	2	$10*2, 4*5$
63	2	$7*9$
15	2	$3*5$
18	2	$2*9, 3*6$
56	2	$7*8$
90	2	$10*9$
80	2	$10*8$
216	3	$(8*3)*9, (4*9)*6$
40	3	$(5*2)*4$

9	7	5
3	6	4
8	10	2

Answer	Number of Terms	Examples
10	2	$2*5$
80	2	$8*10$
45	2	$9*5$
27	2	$3*9$
30	2	$5*6, 3*10$
32	2	$8*4$
56	2	$8*7$
40	2	$5*8, 4*10$
70	2	$7*10$
42	2	$7*6$
64	3	$(8*2)*4$
504	3	$(9*7)*8$

2	8	5
3	2	7
6	9	10

Answer	Number of Terms	Examples
63	2	$9*7$
60	2	$6*10$
16	2	$2*8$
54	2	$9*6$
18	2	$2*9, 6*3$
30	2	$5*6, 3*10$
14	2	$7*2$
6	2	$2*3$
72	2	$8*9$
80	2	$10*8$
126	3	$(7*3)*6, (2*9)*7$
48	3	$(3*2)*8$

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2	3	4
6	5	8
10	9	7

Answer	Number of Terms	Examples
12	2	$2*6, 4*3$
21	2	$3*7$
28	2	$4*7$
14	2	$7*2$
40	2	$8*5, 10*4$
32	2	$8*4$
8	2	$4*2$
63	2	$9*7$
27	2	$3*9$
20	2	$10*2, 4*5$
378	3	$(9*6)*7$
192	3	$(8*4)*6$

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3	8	7
3	6	2
9	5	10

Answer	Number of Terms	Examples
50	2	$10*5$
10	2	$2*5$
54	2	$9*6$
48	2	$6*8$
90	2	$10*9$
21	2	$7*3$
27	2	$9*3$
30	2	$6*5, 3*10$
63	2	$9*7$
72	2	$8*9$
400	3	$(5*8)*10$
72	3	$(3*3)*8$

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4	6	9
3	2	7
5	8	10

Answer	Number of Terms	Examples
20	2	$10*2, 4*5$
70	2	$10*7$
40	2	$8*5, 10*4$
50	2	$10*5$
6	2	$2*3$
21	2	$7*3$
15	2	$3*5$
24	2	$6*4, 3*8$
35	2	$5*7$
16	2	$8*2$
280	3	$(8*7)*5, (7*10)*4$
140	3	$(2*10)*7, (5*4)*7$

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7	4	6
3	5	9
6	2	10

Answer	Number of Terms	Examples
28	2	4^*7
70	2	10^*7
42	2	6^*7
35	2	7^*5
10	2	2^*5
50	2	10^*5
12	2	$2^*6, 4^*3$
8	2	4^*2
40	2	4^*10
20	2	$2^*10, 5^*4$
90	3	$(3^*6)^*5, (5^*2)^*9$
100	3	$(2^*5)^*10$

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5	10	8
4	1	9
6	2	7

Answer	Number of Terms	Examples
50	2	10^*5
40	2	$8^*5, 4^*10$
54	2	9^*6
30	2	5^*6
2	2	1^*2
80	2	10^*8
42	2	6^*7
14	2	7^*2
35	2	5^*7
45	2	9^*5
80	3	$(10^*8)^*1, (2^*8)^*5, (10^*2)^*4$
35	3	$(7^*5)^*1$

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2	10	4
9	7	3
6	5	8

Answer	Number of Terms	Examples
80	2	8^*10
56	2	8^*7
32	2	8^*4
48	2	8^*6
60	2	6^*10
12	2	$3^*4, 2^*6$
42	2	6^*7
10	2	2^*5
15	2	5^*3
50	2	5^*10
54	3	$(2^*9)^*3$
135	3	$(9^*5)^*3$

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5	4	6
2	7	10
8	3	9

Answer	Number of Terms	Examples
20	2	$10^*2, 5^*4$
36	2	4^*9
18	2	$2^*9, 6^*3$
54	2	6^*9
56	2	7^*8
14	2	7^*2
60	2	10^*6
50	2	5^*10
72	2	8^*9
24	2	$8^*3, 6^*4$
378	3	$(9^*6)^*7$
360	3	$(8^*5)^*9, (10^*4)^*9$

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9	3	2
6	5	10
7	8	4

Answer	Number of Terms	Examples
45	2	5^*9
10	2	5^*2
30	2	$6^*5, 3^*10$
70	2	7^*10
54	2	6^*9
15	2	5^*3
63	2	7^*9
48	2	6^*8
8	2	2^*4
16	2	2^*8
112	3	$(2^*7)^*8$
40	3	$(5^*2)^*4$

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2	7	4
3	5	9
10	8	6

Answer	Number of Terms	Examples
30	2	$5^*6, 10^*3$
35	2	7^*5
80	2	8^*10
48	2	8^*6
10	2	2^*5
27	2	3^*9
40	2	$8^*5, 10^*4$
24	2	$8^*3, 4^*6$
20	2	$2^*10, 4^*5$
21	2	3^*7
300	3	$(5^*10)^*6$
224	3	$(4^*7)^*8$

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8	7	5
4	3	2
9	6	10

Answer	Number of Terms	Examples
36	2	9^4
30	2	$5^6, 3^{10}$
28	2	7^4
42	2	6^7
18	2	$2^9, 6^3$
10	2	2^5
6	2	2^3
24	2	$3^8, 6^4$
27	2	3^9
21	2	7^3
540	3	$(10^9)^6$
288	3	$(8^9)^4$

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7	7	5
9	4	3
10	8	2

Answer	Number of Terms	Examples
90	2	10^9
16	2	2^8
80	2	8^{10}
40	2	$8^5, 4^{10}$
18	2	9^2
12	2	4^3
24	2	8^3
20	2	$10^2, 5^4$
36	2	4^9
45	2	9^5
240	3	$(8^{10})^3$
360	3	$(8^9)^5, (9^{10})^4$

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8	6	5
7	10	4
3	9	2

Answer	Number of Terms	Examples
27	2	9^3
90	2	10^9
80	2	10^8
28	2	7^4
42	2	7^6
56	2	7^8
30	2	$5^6, 3^{10}$
21	2	7^3
54	2	9^6
70	2	7^{10}
60	3	$(2^{10})^3, (5^6)^2, (4^3)^5$
24	3	$(2^4)^3$

4	6	8
2	10	3
1	5	7

Answer	Number of Terms	Examples
8	2	$2^*4, 8^*1$
21	2	3^*7
70	2	10^*7
7	2	1^*7
40	2	$5^*8, 10^*4$
2	2	2^*1
48	2	6^*8
30	2	$5^*6, 3^*10$
6	2	$6^*1, 2^*3$
28	2	4^*7
15	3	$(1^*5)^*3$
20	3	$(1^*10)^*2, (1^*4)^*5$