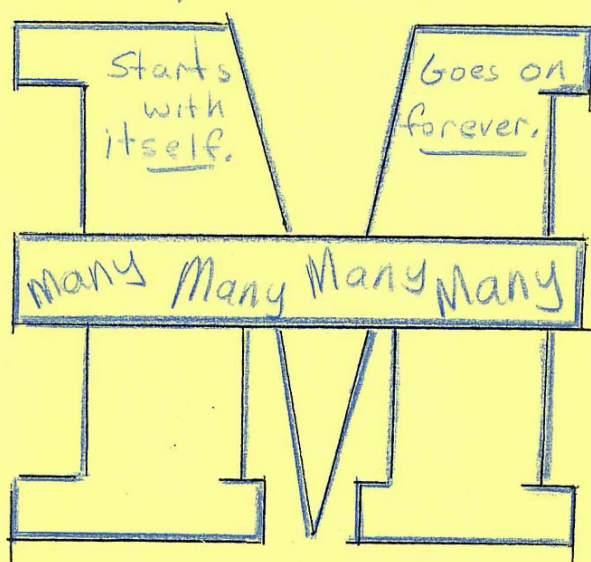


Multiples (Products)

Multiplication Table



$3 \times 1, 3 \times 2, 3 \times 3, 3 \times 4, 3 \times 5, \dots$
 $\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $3, 6, 9, 12, 15, \dots$

Skip Counting

Open this
up and
there is
a 25x25
multiplication
table.

20

Factors

* The numbers you use to get a product. *

* A whole number that divides a whole number without a remainder. *

Factor
x Factor

Product

1	2	3	4	5	6	7	8	9	10
1 x 1	1 x 2	1 x 3	1 x 4 2 x 2	1 x 5	1 x 6 2 x 3	1 x 7	1 x 8 2 x 4	1 x 9 3 x 3	1 x 10 2 x 5

11	12	13	14	15	16	17	18	19	20
1 x 11	1 x 12 2 x 6 3 x 4	1 x 13	1 x 14 2 x 7	1 x 15 3 x 5	1 x 16 2 x 8 4 x 4	1 x 17	1 x 18 2 x 9 3 x 6	1 x 19	1 x 20 2 x 10 4 x 5

21	22	23	24	25	26	27	28	29	30
1 x 21 3 x 7	1 x 22 2 x 11	1 x 23	1 x 24 2 x 12 3 x 8 4 x 6	1 x 25 5 x 5	1 x 26 2 x 13	1 x 27 3 x 9	1 x 28 2 x 14 4 x 7	1 x 29	1 x 30 2 x 15 3 x 10 5 x 6

31	32	33	34	35	36	37	38	39	40
1 x 31	1 x 32 2 x 16 4 x 8	1 x 33 3 x 11	1 x 34 2 x 17	1 x 35 5 x 7	1 x 36 2 x 18 3 x 12 4 x 9	1 x 37	1 x 38 2 x 19	1 x 39 3 x 13	1 x 40 2 x 20 4 x 10 5 x 8

41	42	43	44	45	46	47	48	49	50
1 x 41	1 x 42 2 x 21 3 x 14 6 x 7	1 x 43	1 x 44 2 x 22 4 x 11	1 x 45 3 x 15 5 x 9	1 x 46 2 x 23	1 x 47	1 x 48 2 x 24 3 x 16 4 x 12 6 x 8	1 x 49 7 x 7	1 x 50 2 x 25 5 x 10

51	52	53	54	55	56	57	58	59	60
1 x 51 3 x 17	1 x 52 2 x 26 4 x 13	1 x 53	1 x 54 2 x 27 3 x 18 6 x 9	1 x 55 5 x 11	1 x 56 2 x 28 4 x 14 7 x 8	1 x 57 3 x 19	1 x 58 2 x 29	1 x 59	1 x 60 2 x 30 3 x 20 4 x 15 5 x 12 6 x 10

* Finish the list of Factors

* ~~Finite~~ (opposite of infinite.)

* Few Factors

61	62	63	64	65	66	67	68	69	70
1 x 61	1 x 62 2 x 31	1 x 63 3 x 21 7 x 9	1 x 64 2 x 32 4 x 16 8 x 8	1 x 65 5 x 13	1 x 66 2 x 33 3 x 22 6 x 11	1 x 67	1 x 68 2 x 34 4 x 17	1 x 69 3 x 23	1 x 70 2 x 35 5 x 14 7 x 10

71	72	73	74	75	76	77	78	79	80
1 x 71	1 x 72 2 x 36 3 x 24 4 x 18 6 x 12 8 x 9	1 x 73	1 x 74 2 x 37	1 x 75 3 x 25 5 x 15	1 x 76 2 x 38 4 x 19	1 x 77 7 x 11	1 x 78 2 x 39 3 x 26 6 x 13	1 x 79	1 x 80 2 x 40 4 x 20 5 x 16 8 x 10

81	82	83	84	85	86	87	88	89	90
1 x 81 3 x 27 9 x 9	1 x 82 2 x 41	1 x 83	1 x 84 2 x 42 3 x 28 4 x 21 6 x 14 7 x 12	1 x 85 5 x 17	1 x 86 2 x 43	1 x 87 3 x 29	1 x 88 2 x 44 4 x 22 8 x 11	1 x 89	1 x 90 2 x 45 3 x 30 5 x 18 6 x 15 9 x 10

91	92	93	94	95	96	97	98	99	100
1 x 91 7 x 13	1 x 92 2 x 46 4 x 23	1 x 93 3 x 31	1 x 94 2 x 47	1 x 95 5 x 19	1 x 96 2 x 48 3 x 32 4 x 24 6 x 16 8 x 12	1 x 97	1 x 98 2 x 49 7 x 14	1 x 99 3 x 33 9 x 11	1 x 100 2 x 50 4 x 25 5 x 20 10 x 10

Starts
with 1

End
with
itself

Rainbow Factoring

$$36 = 1, 2, 3, 4, 6, 9, 12, 18, 36$$