

91	92	93	94	95	96	97	98	99	100
81	82	83	84	85	86	87	88	89	90
71	72	73	74	75	76	77	78	79	80
61	62	63	64	65	66	67	68	69	70
51	52	53	54	55	56	57	58	59	60
41	42	43	44	45	46	47	48	49	50
31	32	33	34	35	36	37	38	39	40
21	22	23	24	25	26	27	28	29	30
11	12	13	14	15	16	17	18	19	20
1	2	3	4	5	6	7	8	9	10

PRIME FACTORIZATION COLORING SHEET, created by Sondra Eklund, sonderbooks.com

PRIME FACTORIZATION SHEET INSTRUCTIONS

Give every prime number a color.

You're going to color the chart so each square shows the color-coded prime factorization of that number.

One fun way to color it in is to first choose a color for 2, then use that color in one section of every multiple of 2, which will be every second number.

Then choose a color for 3, and color a section of every third number that color.

$4 = 2 \times 2$, so one section will already be colored. Color the second section the same color you used for 2, then give every fourth number a second section with that color. (You'll find every time you get to a power of a prime, there will be more sections to fill in.)

Choose a color for 5 and color a section of every 5th number.

6 will already be done.

Continue on in this way. When you get to a blank square, you know it's prime.

It's fun to notice patterns as you color this way.

You'll need 25 different colors (if you leave 1 blank) to use a different color for every prime. If you don't have that many different colors, it doesn't look bad to leave the later primes blank. Or you can try mixing colors to get new shades.

You can order a t-shirt of this chart with colors filled in at

www.cafepress.com/sonderbooks

You can find more coloring sheets at www.sonderbooks.com/sonderknitting/