141	142	143	144	145	150
131	132	133	134	135	140
121	122	123	124	125	130
111	112	113	114	115	120
101	102	103	104	105	110
51	52	53	54	55	100
41	42	43	44	45	50
31	32	33	34	35	40
21	22	23	24	25	30
11	12	13	14	15	20
1	2	3	4	5	10

BASE 6 PRIME FACTORIZATION CHART, created by Sondra Eklund, sonderbooks.com

BASE 6 PRIME FACTORIZATION COLORING SHEET INSTRUCTIONS

This is another prime factorization chart, with sections for each factor of each number, but the numbers have been listed in base 6, and arranged in rows of 6.

In base 6, you only use 6 digits, from 0 to 5. After 5, you use the next place over, so after 5 comes 10.

You have a ones digit, then a sixes digit, then a thirty-sixes digit. You can see how to count in base 6 in the chart.

Color this chart with the same colors as you did the 10x10 prime factorization chart, and you'll have a handy way to translate between the two.

Skip 1, and choose a color for 2. Color a section of every second number with this color.

Choose a color for 3. Color one section of every third number with this color.

4 = 2 x 2, so you'll need a second section colored in with the color for 2. Color every fourth number with a second section for 2.

Choose a new color for 5. Color every fifth number with this. By now you'll see that different colors line up in the base 6 chart than did in the other charts. Notice which colors line up in which charts.

10, which is 6 in base 10, will already be filled in, because it still equals 2 x 3.

Choose a new color for 11 (7 in base 10) and color every seventh number. Since this is 11 in base 6, you can just go up one row and over one column to find the next seventh number.

Continue filling in the chart this way. You'll get a feel for how the patterns change for base 6.

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