71	72	73	74	75	76	77	78	79	7A	7B	7C	7D	7E	7F	80
61	62	63	64	65	66	67	68	69	6A	6B	6C	6D	6E	6F	70
51	52	53	54	55	56	57	58	59	5A	5B	5C	5D	5E	5F	60
41	42	43	44	45	46	47	48	49	4A	4B	4C	4D	4E	4F	50
31	32	33	34	35	36	37	38	39	3A	3B	3C	3D	3E	3F	40
21	22	23	24	25	26	27	28	29	2A	2B	2C	2D	2E	2F	30
11	12	13	14	15	16	17	18	19	1A	1B	1C	1D	1E	1F	20
1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	10

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

[For best results, print in Landscape orientation.]

<u>HEXADECIMAL PRIME FACTORIZATION SHEET INSTRUCTIONS</u>

This prime factorization chart is in base 16, which is called Hexadecimal, and the numbers are arranged in rows of 16.

In Hexadecimal, you use 16 digits. After you use 0 to 9, count on with A through F. After F, you use the next place over, so after F comes 10.

You have a ones digit, then a sixteens digit. Next would be a 256s digit. 256 = 16 x 16.

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. Notice that this is similar to the Octal chart, except that rows are twice as long.

To fill in the chart:

Skip 1, and choose a color for 2. Color one 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 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.

6 will already be filled in.

Choose a new color for 7 and color every seventh number.

8 = 2 x 2 x 2, so you'll need a third section with the color for 2. Color every eight number with a third section for 2.

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

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