

S602 Knitting Woman



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Instructions

Thank you for choosing Golden Kite products!
We hope you will have lots of fun with this cross-stitch pattern!

Fabric

Press the fabric with an iron if needed. A good thing to prevent the fabric from fraying is to machine zigzag the edges.

On large patterns, it is easiest to start from the upper left corner of the design. Make sure you have the proper margins before starting and that the fabric piece is of the correct size. The best way to verify this is to count all stitch positions on the fabric from the upper left corner downwards and to the right to make sure there is enough space for the design.

Some prefer to start in the center of the design instead. To locate the center of the fabric, fold the fabric in half both vertically and horizontally. The center is located where these two folds meet.

Stitches

Each length of DMC tread consists of six strands.
Use two of these strands for all stitches.

Note that some colors may be mixes (or blends) between two different pure colors. In that case take one strand of the two colors each and thread the two strands into the needle at the same time for stitching.

All stitches are full cross-stitches. No half-stitching and no back-stitching is necessary in this pattern.

All cross-stitches will be worked into the holes in the fabric from left to right. Always use the larger holes in the fabric for the stitches. Adjacent stitches should meet in the same hole. Make sure all stitches cross in the same direction.

Please be careful when washing the finished embroidery! The cotton thread may bleed when washed. Only hand wash it in lukewarm water. Remove excess water by roll it in a towel and lay it flat to air dry. Natural fabrics may shrink slightly when washed. We do not recommend washing the embroidery if not absolutely necessary and we take no responsibility for any damage that may occur.

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Knitting Woman (pp)

Stitch Count	
Horizontal:	180
Vertical:	233

Recommended Fabric Color
Antique White

This table tells the size of the pattern (without any margins) and the size of the fabric required to stitch the pattern (including recommended margins). 3 inch margins have been added on each side in the 'Including Margins' row.

The sizes are given for 14, 16 and 18 stitches per inch fabrics.

Make sure to use the 'Including Margins' row when cutting the piece of fabric to be used. Also make sure that 3 inch margins are enough for your stitching technique and add more margin areas if necessary.

	14				16				18			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	33	12.85	43	16.55	29	11.25	37	14.48	26	10	33	12.875
Including Margins:	49	19	59	23	45	18	53	21	42	17	49	19
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	46	17.99	60	23.17	38	14.99	50	19.3	19	7.49	25	9.65
Including Margins:	62	24	76	30	54	21	66	26	35	14	41	16
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	18	7.19	24	9.26	17	6.91	23	8.91	17	6.66	22	8.58
Including Margins:	34	14	40	16	33	13	39	15	33	13	38	15
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	16	6.42	21	8.27	15	5.99	20	7.72	14	5.62	18	7.24
Including Margins:	32	13	37	15	31	12	36	14	30	12	34	14

Solid Color Stitches. Use two strands of the specified color for these stitches.		
Symbol	DMC	Name
↑	221	Shell Pink-VY DK
⬆	223	Shell Pink-LT
⇅	225	Shell Pink-UL VY LT
■	310	Black
●	315	Antique Mauve-VY DK
⊕	316	Antique Mauve-MD
⊕	317	Pewter Gray
↓	326	Rose-VY DK
●	347	Salmon-VY DK
—	352	Coral-LT
)	353	Peach
↘	355	Terra Cotta-DK
✧	356	Terra Cotta-MD
↘	370	Mustard-MD
⋯	371	Mustard
#	372	Mustard-LT
⋯	402	Mahogany-VY LT
⌘	407	Desert Sand-DK
♣	413	Pewter Gray-DK
⊗	414	Steel Gray-DK
☾	420	Hazelnut Brown-DK
✂	433	Brown-MD
▣	434	Brown-LT
✦	435	Brown-VY LT
\$	436	Tan
↑	437	Tan-LT
⇅	452	Shell Gray-MD
◇	453	Shell Gray-LT
⊗	503	Blue Green-MD
⊗	535	Ash Gray-VY LT
○	543	Beige Brown-UL VY LT
+	610	Drab Brown-DK
▲	611	Drab Brown
▣	612	Drab Brown-LT
✿	632	Desert Sand-UL VY DK
✦	640	Beige Gray-VY DK
⋈	642	Beige Gray-DK
★	646	Beaver Gray-DK
⊕	647	Beaver Gray-MD
7	648	Beaver Gray-LT
✕	680	Old Gold-DK
n	712	Cream
卅	729	Old Gold-MD
▲	730	Olive Green-VY DK
⇅	733	Olive Green-MD
○	734	Olive Green-LT
3	742	Tangerine-LT
∞	745	Yellow-LT Pale
:	754	Peach-LT
⋈	758	Terra Cotta-VY LT
✦	760	Salmon
l	762	Pearl Gray-VY LT
▲	782	Topaz-DK

⊙	783	Topaz-MD
↓	801	Coffee Brown-DK
⊙	814	Garnet-DK
«	819	Baby Pink-LT
•	822	Beige Gray-LT
⊕	829	Golden Olive-VY DK
⊕	830	Golden Olive-DK
✕	831	Golden Olive-MD
H	832	Golden Olive
⊕	833	Golden Olive-LT
⋈	834	Golden Olive-VY LT
☞	838	Beige Brown-VY DK
←	839	Beige Brown-DK
✱	840	Beige Brown-MD
☾	841	Beige Brown-LT
⊗	842	Beige Brown-VY LT
l	869	Hazelnut Brown-VY DK
●	898	Coffee Brown-VY DK
♥	902	Garnet-VY DK
⋈	918	Red Copper-DK
⊕	920	Copper-MD
✱	926	Gray Green-MD
⋈	931	Antique Blue-MD
⊕	932	Antique Blue-LT
●	934	Black Avocado Green
⊕	935	Avocado Green-DK
⊕	936	Avocado Green-VY DK
●	938	Coffee Brown-UL DK
∅	945	Tawny
◦	948	Peach-VY LT
4	950	Desert Sand-LT
(	951	Tawny-LT
III	977	Golden Brown-LT
⊕	3011	Khaki Green-DK
⊙	3012	Khaki Green-MD
✕	3021	Brown Gray-VY DK
⋈	3022	Brown Gray-MD
田	3023	Brown Gray-LT
♂	3024	Brown Gray-VY LT
⊕	3031	Mocha Brown-VY DK
⊕	3032	Mocha Brown-MD
↑	3045	Yellow Beige-DK
☞	3051	Green Gray-DK
▲	3052	Green Gray-MD
☑	3064	Desert Sand
♡	3072	Beaver Gray-VY LT
☾	3328	Salmon-DK
■	3371	Black Brown
▤	3721	Shell Pink-DK
●	3722	Shell Pink-MD
■	3726	Antique Mauve-DK
~	3756	Baby Blue-UL VY LT
H	3766	Peacock Blue-LT
▼	3768	Gray Green-DK
◊	3770	Tawny-VY LT
☞	3772	Desert Sand-VY DK
L	3776	Mahogany-LT
⊕	3778	Terra Cotta-LT

5	3779	Terra Cotta-UL VY LT
➔	3781	Mocha Brown-DK
×	3782	Mocha Brown-LT
Φ	3787	Brown Gray-DK
⦿	3790	Beige Gray-UL DK
✱	3802	Antique Mauve-VY DK
//	3810	Turquoise-DK
◀	3814	Aquamarine
⦿	3815	Celadon Green-DK
◊	3816	Celadon Green-MD
⦿	3820	Straw-DK
+	3824	Apricot-LT
=	3826	Golden Brown
√	3827	Golden Brown-Pale
*	3828	Hazelnut Brown
✱	3829	Old Gold-VY DK

♠	3830	Terra Cotta-MD
◉	3848	Teal Green-MD
⌘	3849	Teal Green-LT
^	3852	Straw-VY DK
/	3856	Mahogany-UL VY LT
◆	3857	Rosewood-DK
†	3858	Rosewood-MD
⦿	3859	Rosewood-LT
⊙	3861	Cocoa-LT
⦿	3862	Mocha Beige-DK
⦿	3863	Mocha Beige-MD
	3864	Mocha Beige-LT
1	3865	Winter White
^	3866	Mocha Brown-UL VY LT

This table specifies how much thread of each color is required to stitch this pattern. It is good to know that one complete DMC skein contains 313 inches (795 cm) thread.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		14		16		18	
221	Shell Pink-VY DK	49	19	46	18	42	16
223	Shell Pink-LT	75	29	71	27	64	25
225	Shell Pink-UL VY LT	73	28	69	27	62	24
310	Black	136	53	129	50	116	45
315	Antique Mauve-VY DK	7	2	6	2	6	2
316	Antique Mauve-MD	4	1	4	1	4	1
317	Pewter Gray	13	5	13	5	11	4
326	Rose-VY DK	6	2	6	2	5	1
347	Salmon-VY DK	11	4	10	3	9	3
352	Coral-LT	19	7	18	7	16	6
353	Peach	81	31	77	30	69	27
355	Terra Cotta-DK	30	11	28	11	25	9
356	Terra Cotta-MD	34	13	33	12	29	11
370	Mustard-MD	245	96	233	91	210	82
371	Mustard	276	108	263	103	237	93
372	Mustard-LT	19	7	18	7	16	6
402	Mahogany-VY LT	26	10	25	9	22	8
407	Desert Sand-DK	67	26	64	25	57	22
413	Pewter Gray-DK	13	5	12	4	11	4
414	Steel Gray-DK	4	1	4	1	3	1
420	Hazelnut Brown-DK	288	113	275	108	247	97
433	Brown-MD	82	32	79	31	71	27
434	Brown-LT	51	20	48	18	43	16
435	Brown-VY LT	110	43	105	41	95	37
436	Tan	53	20	50	19	45	17
437	Tan-LT	66	25	62	24	56	22
452	Shell Gray-MD	190	74	181	71	163	64
453	Shell Gray-LT	117	46	111	43	100	39
503	Blue Green-MD	15	5	14	5	13	5
535	Ash Gray-VY LT	6	2	6	2	5	1
543	Beige Brown-UL VY LT	35	13	34	13	30	11
610	Drab Brown-DK	201	79	191	75	172	67
611	Drab Brown	205	80	195	76	176	69
612	Drab Brown-LT	38	14	36	14	33	12
632	Desert Sand-UL VY DK	101	39	96	37	87	34
640	Beige Gray-VY DK	128	50	122	48	109	42
642	Beige Gray-DK	45	17	43	16	38	14
646	Beaver Gray-DK	37	14	35	13	31	12
647	Beaver Gray-MD	72	28	69	27	62	24
648	Beaver Gray-LT	106	41	101	39	91	35
680	Old Gold-DK	32	12	30	11	27	10
712	Cream	23	9	22	8	20	7
729	Old Gold-MD	51	20	49	19	44	17
730	Olive Green-VY DK	27	10	26	10	23	9
733	Olive Green-MD	83	32	79	31	71	27
734	Olive Green-LT	13	5	12	4	11	4
742	Tangerine-LT	1	1	1	1	1	1
745	Yellow-LT Pale	5	1	4	1	4	1
754	Peach-LT	58	22	56	22	50	19
758	Terra Cotta-VY LT	153	60	146	57	131	51
760	Salmon	7	2	6	2	6	2
762	Pearl Gray-VY LT	22	8	20	7	18	7
782	Topaz-DK	5	1	5	1	4	1

783	Topaz-MD	8	3	8	3	7	2
801	Coffee Brown-DK	172	67	164	64	147	57
814	Garnet-DK	33	12	31	12	28	11
819	Baby Pink-LT	176	69	168	66	151	59
822	Beige Gray-LT	27	10	26	10	23	9
829	Golden Olive-VY DK	94	37	90	35	81	31
830	Golden Olive-DK	80	31	76	29	68	26
831	Golden Olive-MD	190	74	181	71	163	64
832	Golden Olive	77	30	74	29	66	25
833	Golden Olive-LT	34	13	33	12	29	11
834	Golden Olive-VY LT	18	7	17	6	15	5
838	Beige Brown-VY DK	149	58	142	55	128	50
839	Beige Brown-DK	113	44	108	42	97	38
840	Beige Brown-MD	51	20	49	19	44	17
841	Beige Brown-LT	86	33	82	32	74	29
842	Beige Brown-VY LT	69	27	66	25	59	23
869	Hazelnut Brown-VY DK	142	55	135	53	121	47
898	Coffee Brown-VY DK	226	88	215	84	194	76
902	Garnet-VY DK	53	20	50	19	45	17
918	Red Copper-DK	20	7	19	7	17	6
920	Copper-MD	9	3	8	3	7	2
926	Gray Green-MD	17	6	16	6	15	5
931	Antique Blue-MD	53	20	51	20	45	17
932	Antique Blue-LT	12	4	11	4	10	3
934	Black Avocado Green	739	290	703	276	633	249
935	Avocado Green-DK	91	35	86	33	78	30
936	Avocado Green-VY DK	74	29	70	27	63	24
938	Coffee Brown-UL DK	568	223	541	212	487	191
945	Tawny	47	18	45	17	41	16
948	Peach-VY LT	68	26	65	25	58	22
950	Desert Sand-LT	17	6	16	6	14	5
951	Tawny-LT	81	31	77	30	70	27
977	Golden Brown-LT	5	1	5	1	4	1
3011	Khaki Green-DK	157	61	149	58	134	52
3012	Khaki Green-MD	636	250	606	238	545	214
3021	Brown Gray-VY DK	170	66	162	63	146	57
3022	Brown Gray-MD	68	26	65	25	58	22
3023	Brown Gray-LT	78	30	74	29	67	26
3024	Brown Gray-VY LT	24	9	23	9	20	7
3031	Mocha Brown-VY DK	324	127	309	121	278	109
3032	Mocha Brown-MD	107	42	102	40	91	35
3045	Yellow Beige-DK	39	15	37	14	33	12
3051	Green Gray-DK	67	26	63	24	57	22
3052	Green Gray-MD	17	6	16	6	14	5
3064	Desert Sand	71	27	68	26	61	24
3072	Beaver Gray-VY LT	43	16	41	16	37	14
3328	Salmon-DK	3	1	2	1	2	1
3371	Black Brown	511	201	487	191	438	172
3721	Shell Pink-DK	65	25	62	24	55	21
3722	Shell Pink-MD	97	38	92	36	83	32
3726	Antique Mauve-DK	15	5	14	5	13	5
3756	Baby Blue-UL VY LT	32	12	30	11	27	10
3766	Peacock Blue-LT	3	1	3	1	3	1
3768	Gray Green-DK	20	7	19	7	17	6
3770	Tawny-VY LT	5	1	5	1	5	1
3772	Desert Sand-VY DK	214	84	204	80	184	72
3776	Mahogany-LT	3	1	3	1	2	1
3778	Terra Cotta-LT	23	9	22	8	20	7
3779	Terra Cotta-UL VY LT	63	24	60	23	54	21

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3781	Mocha Brown-DK	201	79	191	75	172	67
3782	Mocha Brown-LT	72	28	69	27	62	24
3787	Brown Gray-DK	45	17	43	16	38	14
3790	Beige Gray-UL DK	122	48	116	45	105	41
3802	Antique Mauve-VY DK	46	18	44	17	39	15
3810	Turquoise-DK	13	5	12	4	11	4
3814	Aquamarine	2	1	2	1	2	1
3815	Celadon Green-DK	5	1	5	1	5	1
3816	Celadon Green-MD	7	2	7	2	6	2
3820	Straw-DK	5	1	5	1	4	1
3824	Apricot-LT	33	12	31	12	28	11
3826	Golden Brown	3	1	3	1	2	1
3827	Golden Brown-Pale	9	3	8	3	7	2
3828	Hazelnut Brown	157	61	149	58	134	52
3829	Old Gold-VY DK	54	21	51	20	46	18
3830	Terra Cotta-MD	13	5	12	4	11	4
3848	Teal Green-MD	32	12	31	12	28	11
3849	Teal Green-LT	16	6	15	5	13	5
3852	Straw-VY DK	3	1	3	1	3	1
3856	Mahogany-UL VY LT	27	10	26	10	23	9
3857	Rosewood-DK	94	37	89	35	80	31
3858	Rosewood-MD	88	34	84	33	75	29
3859	Rosewood-LT	73	28	69	27	62	24
3861	Cocoa-LT	45	17	43	16	39	15
3862	Mocha Beige-DK	247	97	235	92	212	83
3863	Mocha Beige-MD	102	40	97	38	88	34
3864	Mocha Beige-LT	58	22	55	21	50	19
3865	Winter White	79	31	75	29	68	26
3866	Mocha Brown-UL VY LT	52	20	49	19	44	17

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
221	Shell Pink-VY DK	76	29	63	24	32	12
223	Shell Pink-LT	115	45	96	38	48	19
225	Shell Pink-UL VY LT	112	43	93	36	47	18
310	Black	209	81	174	68	87	34
315	Antique Mauve-VY DK	11	4	9	3	5	2
316	Antique Mauve-MD	7	2	6	2	3	1
317	Pewter Gray	20	7	17	6	8	3
326	Rose-VY DK	9	2	8	2	4	1
347	Salmon-VY DK	16	5	14	5	7	2
352	Coral-LT	29	11	24	9	12	5
353	Peach	124	49	104	41	52	20
355	Terra Cotta-DK	45	16	38	14	19	7
356	Terra Cotta-MD	52	20	44	17	22	8
370	Mustard-MD	378	148	315	123	158	62
371	Mustard	427	167	356	140	178	70
372	Mustard-LT	29	11	24	9	12	5
402	Mahogany-VY LT	40	14	33	12	17	6
407	Desert Sand-DK	103	40	86	33	43	17
413	Pewter Gray-DK	20	7	17	6	8	3
414	Steel Gray-DK	5	2	5	2	2	1
420	Hazelnut Brown-DK	445	175	371	146	185	73
433	Brown-MD	128	49	107	41	53	20
434	Brown-LT	77	29	65	24	32	12

435	Brown-VY LT	171	67	143	56	71	28
436	Tan	81	31	68	26	34	13
437	Tan-LT	101	40	84	33	42	17
452	Shell Gray-MD	293	115	245	96	122	48
453	Shell Gray-LT	180	70	150	59	75	29
503	Blue Green-MD	23	9	20	8	10	4
535	Ash Gray-VY LT	9	2	8	2	4	1
543	Beige Brown-UL VY LT	54	20	45	17	23	8
610	Drab Brown-DK	310	121	258	101	129	50
611	Drab Brown	317	124	264	104	132	52
612	Drab Brown-LT	59	22	50	18	25	9
632	Desert Sand-UL VY DK	157	61	131	51	65	26
640	Beige Gray-VY DK	196	76	164	63	82	32
642	Beige Gray-DK	68	25	57	21	29	11
646	Beaver Gray-DK	56	22	47	18	23	9
647	Beaver Gray-MD	112	43	93	36	47	18
648	Beaver Gray-LT	164	63	137	53	68	26
680	Old Gold-DK	49	18	41	15	20	8
712	Cream	36	13	30	11	15	5
729	Old Gold-MD	79	31	66	26	33	13
730	Olive Green-VY DK	41	16	35	14	17	7
733	Olive Green-MD	128	49	107	41	53	20
734	Olive Green-LT	20	7	17	6	8	3
742	Tangerine-LT	2	2	2	2	1	1
745	Yellow-LT Pale	7	2	6	2	3	1
754	Peach-LT	90	34	75	29	38	14
758	Terra Cotta-VY LT	236	92	197	77	98	38
760	Salmon	11	4	9	3	5	2
762	Pearl Gray-VY LT	32	13	27	11	14	5
782	Topaz-DK	7	2	6	2	3	1
783	Topaz-MD	13	4	11	3	5	2
801	Coffee Brown-DK	265	103	221	86	110	43
814	Garnet-DK	50	20	42	17	21	8
819	Baby Pink-LT	272	106	227	89	113	44
822	Beige Gray-LT	41	16	35	14	17	7
829	Golden Olive-VY DK	146	56	122	47	61	23
830	Golden Olive-DK	122	47	102	39	51	20
831	Golden Olive-MD	293	115	245	96	122	48
832	Golden Olive	119	45	99	38	50	19
833	Golden Olive-LT	52	20	44	17	22	8
834	Golden Olive-VY LT	27	9	23	8	11	4
838	Beige Brown-VY DK	230	90	192	75	96	38
839	Beige Brown-DK	175	68	146	57	73	29
840	Beige Brown-MD	79	31	66	26	33	13
841	Beige Brown-LT	133	52	111	44	56	22
842	Beige Brown-VY LT	106	41	89	35	44	17
869	Hazelnut Brown-VY DK	218	85	182	71	91	35
898	Coffee Brown-VY DK	349	137	291	114	146	57
902	Garnet-VY DK	81	31	68	26	34	13
918	Red Copper-DK	31	11	26	9	13	5
920	Copper-MD	13	4	11	3	5	2
926	Gray Green-MD	27	9	23	8	11	4
931	Antique Blue-MD	81	31	68	26	34	13
932	Antique Blue-LT	18	5	15	5	8	2
934	Black Avocado Green	1139	448	950	374	475	187
935	Avocado Green-DK	140	54	117	45	59	23
936	Avocado Green-VY DK	113	43	95	36	47	18
938	Coffee Brown-UL DK	877	344	731	287	365	143
945	Tawny	74	29	62	24	31	12

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948	Peach-VY LT	104	40	87	33	44	17
950	Desert Sand-LT	25	9	21	8	11	4
951	Tawny-LT	126	49	105	41	53	20
977	Golden Brown-LT	7	2	6	2	3	1
3011	Khaki Green-DK	241	94	201	78	101	39
3012	Khaki Green-MD	981	385	818	321	409	161
3021	Brown Gray-VY DK	263	103	219	86	110	43
3022	Brown Gray-MD	104	40	87	33	44	17
3023	Brown Gray-LT	121	47	101	39	50	20
3024	Brown Gray-VY LT	36	13	30	11	15	5
3031	Mocha Brown-VY DK	500	196	417	164	209	82
3032	Mocha Brown-MD	164	63	137	53	68	26
3045	Yellow Beige-DK	59	22	50	18	25	9
3051	Green Gray-DK	103	40	86	33	43	17
3052	Green Gray-MD	25	9	21	8	11	4
3064	Desert Sand	110	43	92	36	46	18
3072	Beaver Gray-VY LT	67	25	56	21	28	11
3328	Salmon-DK	4	2	3	2	2	1
3371	Black Brown	788	310	657	258	329	129
3721	Shell Pink-DK	99	38	83	32	41	16
3722	Shell Pink-MD	149	58	125	48	62	24
3726	Antique Mauve-DK	23	9	20	8	10	4
3756	Baby Blue-UL VY LT	49	18	41	15	20	8
3766	Peacock Blue-LT	5	2	5	2	2	1
3768	Gray Green-DK	31	11	26	9	13	5
3770	Tawny-VY LT	9	2	8	2	4	1
3772	Desert Sand-VY DK	331	130	276	108	138	54
3776	Mahogany-LT	4	2	3	2	2	1
3778	Terra Cotta-LT	36	13	30	11	15	5
3779	Terra Cotta-UL VY LT	97	38	81	32	41	16
3781	Mocha Brown-DK	310	121	258	101	129	50
3782	Mocha Brown-LT	112	43	93	36	47	18
3787	Brown Gray-DK	68	25	57	21	29	11
3790	Beige Gray-UL DK	189	74	158	62	79	31
3802	Antique Mauve-VY DK	70	27	59	23	29	11
3810	Turquoise-DK	20	7	17	6	8	3
3814	Aquamarine	4	2	3	2	2	1
3815	Celadon Green-DK	9	2	8	2	4	1
3816	Celadon Green-MD	11	4	9	3	5	2
3820	Straw-DK	7	2	6	2	3	1
3824	Apricot-LT	50	20	42	17	21	8
3826	Golden Brown	4	2	3	2	2	1
3827	Golden Brown-Pale	13	4	11	3	5	2
3828	Hazelnut Brown	241	94	201	78	101	39
3829	Old Gold-VY DK	83	32	69	27	35	14
3830	Terra Cotta-MD	20	7	17	6	8	3
3848	Teal Green-MD	50	20	42	17	21	8
3849	Teal Green-LT	23	9	20	8	10	4
3852	Straw-VY DK	5	2	5	2	2	1
3856	Mahogany-UL VY LT	41	16	35	14	17	7
3857	Rosewood-DK	144	56	120	47	60	23
3858	Rosewood-MD	135	52	113	44	56	22
3859	Rosewood-LT	112	43	93	36	47	18
3861	Cocoa-LT	70	27	59	23	29	11
3862	Mocha Beige-DK	382	149	318	125	159	62
3863	Mocha Beige-MD	158	61	132	51	66	26
3864	Mocha Beige-LT	90	34	75	29	38	14
3865	Winter White	122	47	102	39	51	20
3866	Mocha Brown-UL VY LT	79	31	66	26	33	13

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Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
221	Shell Pink-VY DK	30	12	29	11	28	11
223	Shell Pink-LT	46	18	44	17	43	17
225	Shell Pink-UL VY LT	45	17	43	17	41	16
310	Black	84	32	80	31	77	30
315	Antique Mauve-VY DK	4	1	4	1	4	1
316	Antique Mauve-MD	3	1	3	1	3	1
317	Pewter Gray	8	3	8	3	7	3
326	Rose-VY DK	4	1	3	1	3	1
347	Salmon-VY DK	6	2	6	2	6	2
352	Coral-LT	12	4	11	4	11	4
353	Peach	50	19	48	19	46	18
355	Terra Cotta-DK	18	6	17	6	17	6
356	Terra Cotta-MD	21	8	20	8	19	7
370	Mustard-MD	151	59	145	57	140	55
371	Mustard	171	67	164	64	158	62
372	Mustard-LT	12	4	11	4	11	4
402	Mahogany-VY LT	16	6	15	6	15	5
407	Desert Sand-DK	41	16	39	15	38	15
413	Pewter Gray-DK	8	3	8	3	7	3
414	Steel Gray-DK	2	1	2	1	2	1
420	Hazelnut Brown-DK	178	70	171	67	165	65
433	Brown-MD	51	19	49	19	47	18
434	Brown-LT	31	12	30	11	29	11
435	Brown-VY LT	68	27	66	26	63	25
436	Tan	32	12	31	12	30	11
437	Tan-LT	40	16	39	15	37	15
452	Shell Gray-MD	117	46	113	44	109	43
453	Shell Gray-LT	72	28	69	27	67	26
503	Blue Green-MD	9	4	9	3	9	3
535	Ash Gray-VY LT	4	1	3	1	3	1
543	Beige Brown-UL VY LT	22	8	21	8	20	7
610	Drab Brown-DK	124	48	119	46	115	45
611	Drab Brown	127	50	122	48	117	46
612	Drab Brown-LT	24	9	23	8	22	8
632	Desert Sand-UL VY DK	63	24	60	24	58	23
640	Beige Gray-VY DK	78	30	75	29	73	28
642	Beige Gray-DK	27	10	26	10	25	9
646	Beaver Gray-DK	22	9	21	8	21	8
647	Beaver Gray-MD	45	17	43	17	41	16
648	Beaver Gray-LT	66	25	63	24	61	23
680	Old Gold-DK	19	7	19	7	18	7
712	Cream	14	5	14	5	13	5
729	Old Gold-MD	32	12	30	12	29	11
730	Olive Green-VY DK	17	6	16	6	15	6
733	Olive Green-MD	51	19	49	19	47	18
734	Olive Green-LT	8	3	8	3	7	3
742	Tangerine-LT	1	1	1	1	1	1
745	Yellow-LT Pale	3	1	3	1	3	1
754	Peach-LT	36	14	35	13	33	13
758	Terra Cotta-VY LT	94	37	91	35	87	34
760	Salmon	4	1	4	1	4	1
762	Pearl Gray-VY LT	13	5	12	5	12	5
782	Topaz-DK	3	1	3	1	3	1

783	Topaz-MD	5	1	5	1	5	1
801	Coffee Brown-DK	106	41	102	39	98	38
814	Garnet-DK	20	8	19	8	19	7
819	Baby Pink-LT	109	42	105	41	101	39
822	Beige Gray-LT	17	6	16	6	15	6
829	Golden Olive-VY DK	58	22	56	21	54	21
830	Golden Olive-DK	49	19	47	18	45	17
831	Golden Olive-MD	117	46	113	44	109	43
832	Golden Olive	48	18	46	17	44	17
833	Golden Olive-LT	21	8	20	8	19	7
834	Golden Olive-VY LT	11	4	10	3	10	3
838	Beige Brown-VY DK	92	36	89	35	85	33
839	Beige Brown-DK	70	27	67	26	65	25
840	Beige Brown-MD	32	12	30	12	29	11
841	Beige Brown-LT	53	21	51	20	49	19
842	Beige Brown-VY LT	42	17	41	16	39	15
869	Hazelnut Brown-VY DK	87	34	84	33	81	31
898	Coffee Brown-VY DK	140	55	134	53	129	51
902	Garnet-VY DK	32	12	31	12	30	11
918	Red Copper-DK	12	4	12	4	11	4
920	Copper-MD	5	1	5	1	5	1
926	Gray Green-MD	11	4	10	3	10	3
931	Antique Blue-MD	32	12	31	12	30	11
932	Antique Blue-LT	7	2	7	2	7	2
934	Black Avocado Green	456	179	438	172	422	166
935	Avocado Green-DK	56	22	54	21	52	20
936	Avocado Green-VY DK	45	17	44	17	42	16
938	Coffee Brown-UL DK	351	138	337	132	325	127
945	Tawny	30	12	28	11	27	11
948	Peach-VY LT	42	16	40	15	39	15
950	Desert Sand-LT	10	4	10	3	9	3
951	Tawny-LT	50	19	48	19	47	18
977	Golden Brown-LT	3	1	3	1	3	1
3011	Khaki Green-DK	96	37	93	36	89	35
3012	Khaki Green-MD	392	154	377	148	363	143
3021	Brown Gray-VY DK	105	41	101	39	97	38
3022	Brown Gray-MD	42	16	40	15	39	15
3023	Brown Gray-LT	48	19	46	18	45	17
3024	Brown Gray-VY LT	14	5	14	5	13	5
3031	Mocha Brown-VY DK	200	78	192	75	185	73
3032	Mocha Brown-MD	66	25	63	24	61	23
3045	Yellow Beige-DK	24	9	23	8	22	8
3051	Green Gray-DK	41	16	39	15	38	15
3052	Green Gray-MD	10	4	10	3	9	3
3064	Desert Sand	44	17	42	17	41	16
3072	Beaver Gray-VY LT	27	10	26	10	25	9
3328	Salmon-DK	1	1	1	1	1	1
3371	Black Brown	315	124	303	119	292	115
3721	Shell Pink-DK	40	15	38	15	37	14
3722	Shell Pink-MD	60	23	57	22	55	21
3726	Antique Mauve-DK	9	4	9	3	9	3
3756	Baby Blue-UL VY LT	19	7	19	7	18	7
3766	Peacock Blue-LT	2	1	2	1	2	1
3768	Gray Green-DK	12	4	12	4	11	4
3770	Tawny-VY LT	4	1	3	1	3	1
3772	Desert Sand-VY DK	132	52	127	50	123	48
3776	Mahogany-LT	1	1	1	1	1	1
3778	Terra Cotta-LT	14	5	14	5	13	5
3779	Terra Cotta-UL VY LT	39	15	37	15	36	14

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3781	Mocha Brown-DK	124	48	119	46	115	45
3782	Mocha Brown-LT	45	17	43	17	41	16
3787	Brown Gray-DK	27	10	26	10	25	9
3790	Beige Gray-UL DK	76	30	73	28	70	27
3802	Antique Mauve-VY DK	28	11	27	10	26	10
3810	Turquoise-DK	8	3	8	3	7	3
3814	Aquamarine	1	1	1	1	1	1
3815	Celadon Green-DK	4	1	3	1	3	1
3816	Celadon Green-MD	4	1	4	1	4	1
3820	Straw-DK	3	1	3	1	3	1
3824	Apricot-LT	20	8	19	8	19	7
3826	Golden Brown	1	1	1	1	1	1
3827	Golden Brown-Pale	5	1	5	1	5	1
3828	Hazelnut Brown	96	37	93	36	89	35
3829	Old Gold-VY DK	33	13	32	12	31	12
3830	Terra Cotta-MD	8	3	8	3	7	3
3848	Teal Green-MD	20	8	19	8	19	7
3849	Teal Green-LT	9	4	9	3	9	3
3852	Straw-VY DK	2	1	2	1	2	1
3856	Mahogany-UL VY LT	17	6	16	6	15	6
3857	Rosewood-DK	58	22	55	21	53	21
3858	Rosewood-MD	54	21	52	20	50	19
3859	Rosewood-LT	45	17	43	17	41	16
3861	Cocoa-LT	28	11	27	10	26	10
3862	Mocha Beige-DK	153	60	147	57	141	55
3863	Mocha Beige-MD	63	24	61	24	59	23
3864	Mocha Beige-LT	36	14	35	13	33	13
3865	Winter White	49	19	47	18	45	17
3866	Mocha Brown-UL VY LT	32	12	30	12	29	11

Extended thread usage table.

DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
221	Shell Pink-VY DK	27	10	25	10	24	9
223	Shell Pink-LT	41	16	38	15	36	14
225	Shell Pink-UL VY LT	40	15	37	14	35	14
310	Black	75	29	70	27	65	25
315	Antique Mauve-VY DK	4	1	4	1	3	1
316	Antique Mauve-MD	3	1	2	1	2	1
317	Pewter Gray	7	3	7	2	6	2
326	Rose-VY DK	3	1	3	1	3	1
347	Salmon-VY DK	6	2	5	2	5	2
352	Coral-LT	10	4	10	4	9	3
353	Peach	44	17	41	16	39	15
355	Terra Cotta-DK	16	6	15	5	14	5
356	Terra Cotta-MD	19	7	17	7	16	6
370	Mustard-MD	135	53	126	49	118	46
371	Mustard	152	60	142	56	133	52
372	Mustard-LT	10	4	10	4	9	3
402	Mahogany-VY LT	14	5	13	5	12	5
407	Desert Sand-DK	37	14	34	13	32	12
413	Pewter Gray-DK	7	3	7	2	6	2
414	Steel Gray-DK	2	1	2	1	2	1
420	Hazelnut Brown-DK	159	62	148	58	139	55
433	Brown-MD	46	17	43	16	40	15
434	Brown-LT	28	10	26	10	24	9
435	Brown-VY LT	61	24	57	22	53	21
436	Tan	29	11	27	10	25	10

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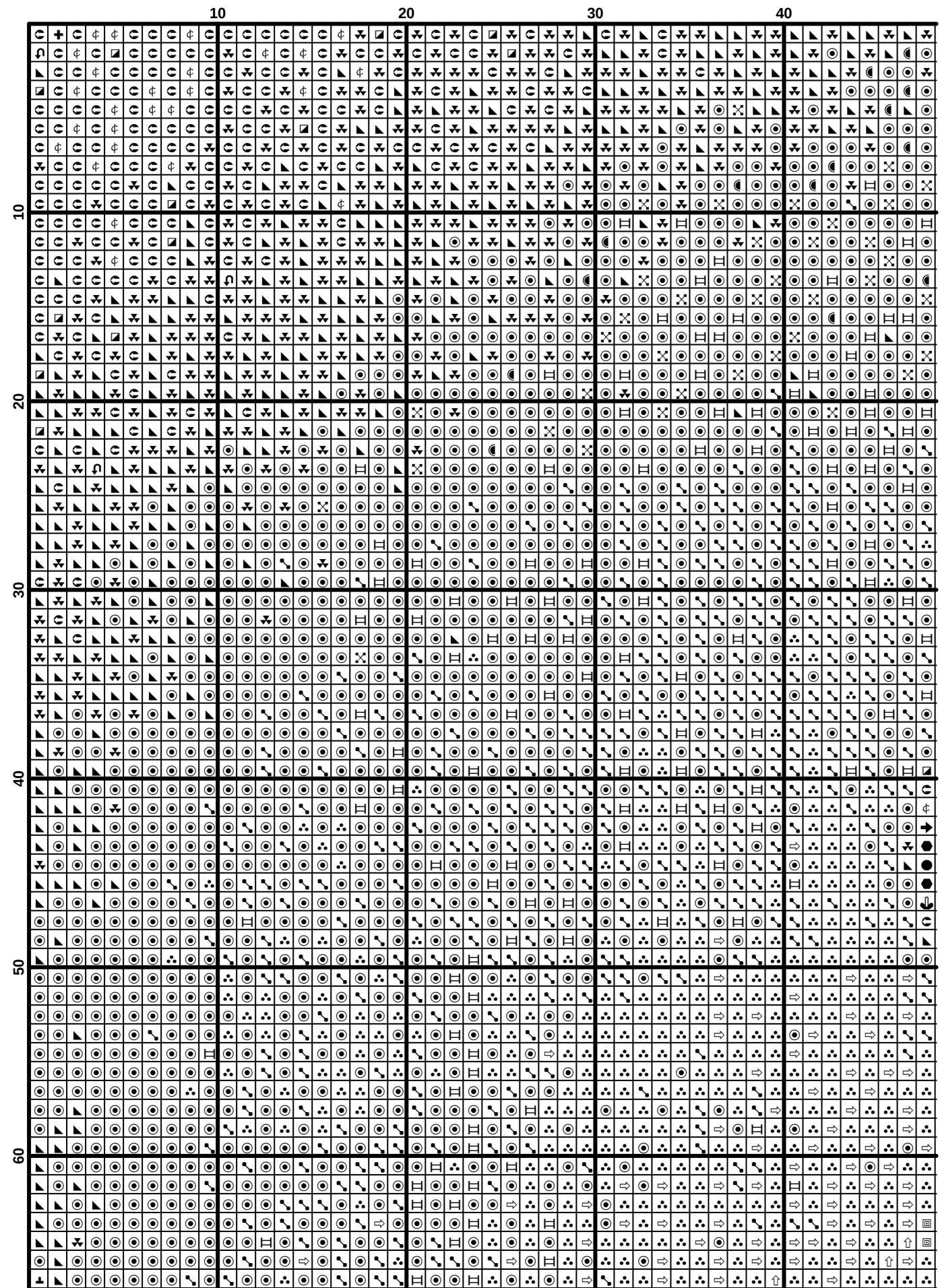
437	Tan-LT	36	14	34	13	32	12
452	Shell Gray-MD	105	41	98	38	92	36
453	Shell Gray-LT	64	25	60	23	56	22
503	Blue Green-MD	8	3	8	3	7	3
535	Ash Gray-VY LT	3	1	3	1	3	1
543	Beige Brown-UL VY LT	19	7	18	7	17	6
610	Drab Brown-DK	111	43	103	40	97	38
611	Drab Brown	113	44	106	41	99	39
612	Drab Brown-LT	21	8	20	7	19	7
632	Desert Sand-UL VY DK	56	22	52	20	49	19
640	Beige Gray-VY DK	70	27	65	25	61	24
642	Beige Gray-DK	24	9	23	8	21	8
646	Beaver Gray-DK	20	8	19	7	17	7
647	Beaver Gray-MD	40	15	37	14	35	14
648	Beaver Gray-LT	59	23	55	21	51	20
680	Old Gold-DK	17	6	16	6	15	6
712	Cream	13	5	12	4	11	4
729	Old Gold-MD	28	11	26	10	25	10
730	Olive Green-VY DK	15	6	14	5	13	5
733	Olive Green-MD	46	17	43	16	40	15
734	Olive Green-LT	7	3	7	2	6	2
742	Tangerine-LT	1	1	1	1	1	1
745	Yellow-LT Pale	3	1	2	1	2	1
754	Peach-LT	32	12	30	11	28	11
758	Terra Cotta-VY LT	84	33	79	31	74	29
760	Salmon	4	1	4	1	3	1
762	Pearl Gray-VY LT	12	5	11	4	10	4
782	Topaz-DK	3	1	2	1	2	1
783	Topaz-MD	5	1	4	1	4	1
801	Coffee Brown-DK	95	37	88	34	83	32
814	Garnet-DK	18	7	17	7	16	6
819	Baby Pink-LT	97	38	91	35	85	33
822	Beige Gray-LT	15	6	14	5	13	5
829	Golden Olive-VY DK	52	20	49	19	46	17
830	Golden Olive-DK	44	17	41	16	38	15
831	Golden Olive-MD	105	41	98	38	92	36
832	Golden Olive	42	16	40	15	37	14
833	Golden Olive-LT	19	7	17	7	16	6
834	Golden Olive-VY LT	10	3	9	3	8	3
838	Beige Brown-VY DK	82	32	77	30	72	28
839	Beige Brown-DK	62	24	58	23	55	21
840	Beige Brown-MD	28	11	26	10	25	10
841	Beige Brown-LT	48	19	44	17	42	16
842	Beige Brown-VY LT	38	15	35	14	33	13
869	Hazelnut Brown-VY DK	78	30	73	28	68	26
898	Coffee Brown-VY DK	125	49	116	46	109	43
902	Garnet-VY DK	29	11	27	10	25	10
918	Red Copper-DK	11	4	10	4	10	3
920	Copper-MD	5	1	4	1	4	1
926	Gray Green-MD	10	3	9	3	8	3
931	Antique Blue-MD	29	11	27	10	25	10
932	Antique Blue-LT	6	2	6	2	6	2
934	Black Avocado Green	407	160	380	149	356	140
935	Avocado Green-DK	50	19	47	18	44	17
936	Avocado Green-VY DK	41	15	38	14	35	14
938	Coffee Brown-UL DK	313	123	292	115	274	107
945	Tawny	26	10	25	10	23	9
948	Peach-VY LT	37	14	35	13	33	12
950	Desert Sand-LT	9	3	8	3	8	3

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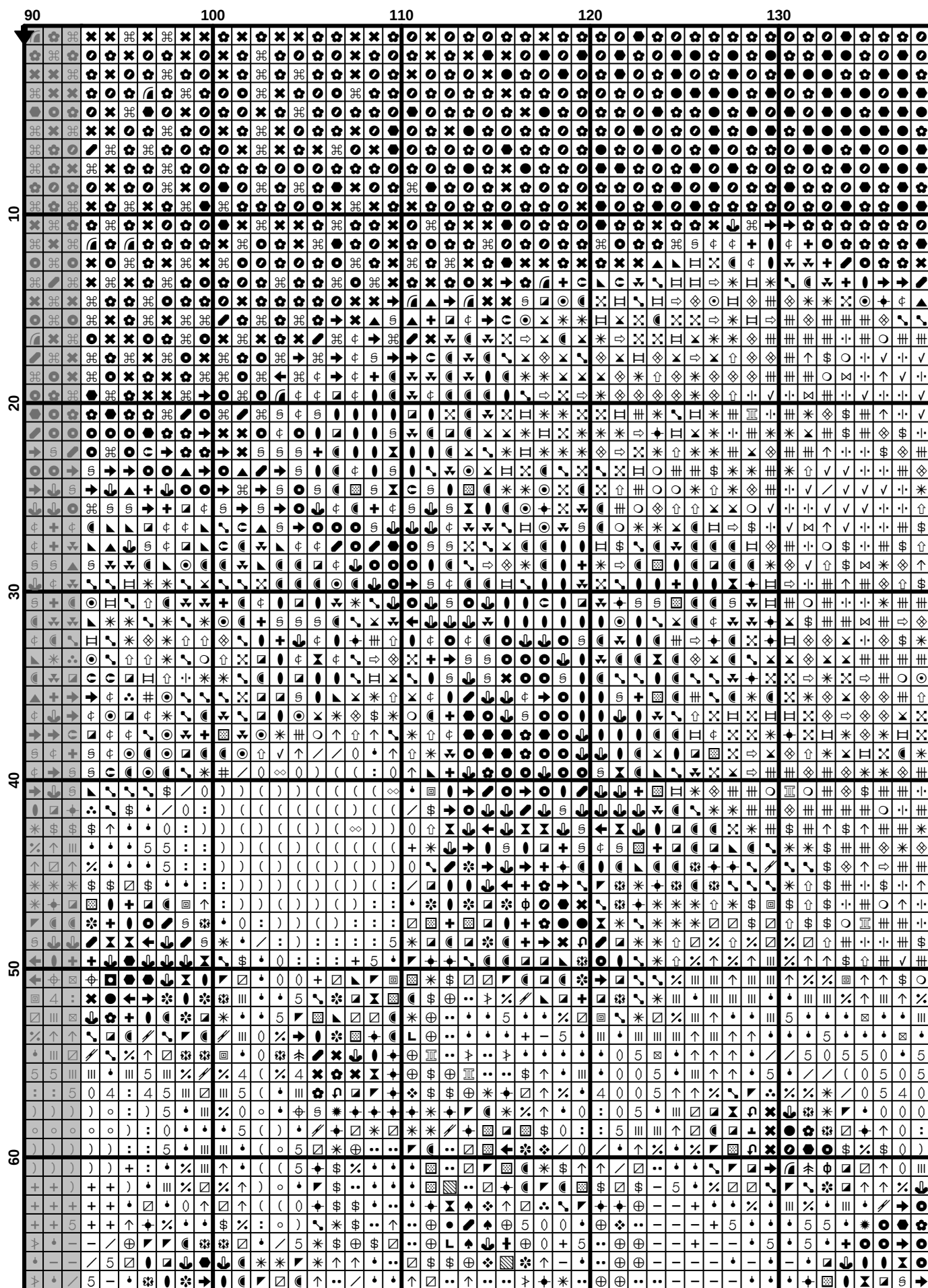
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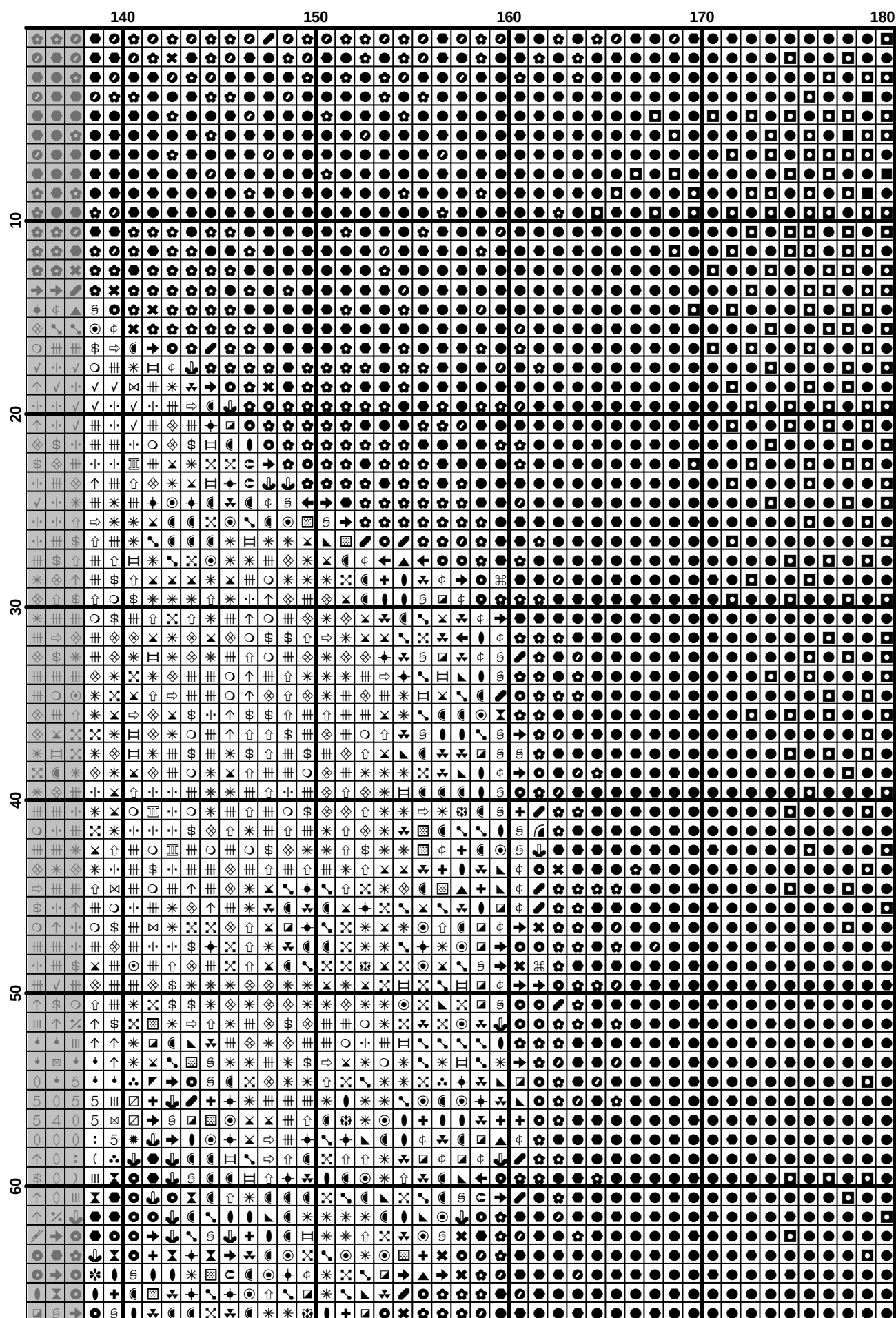
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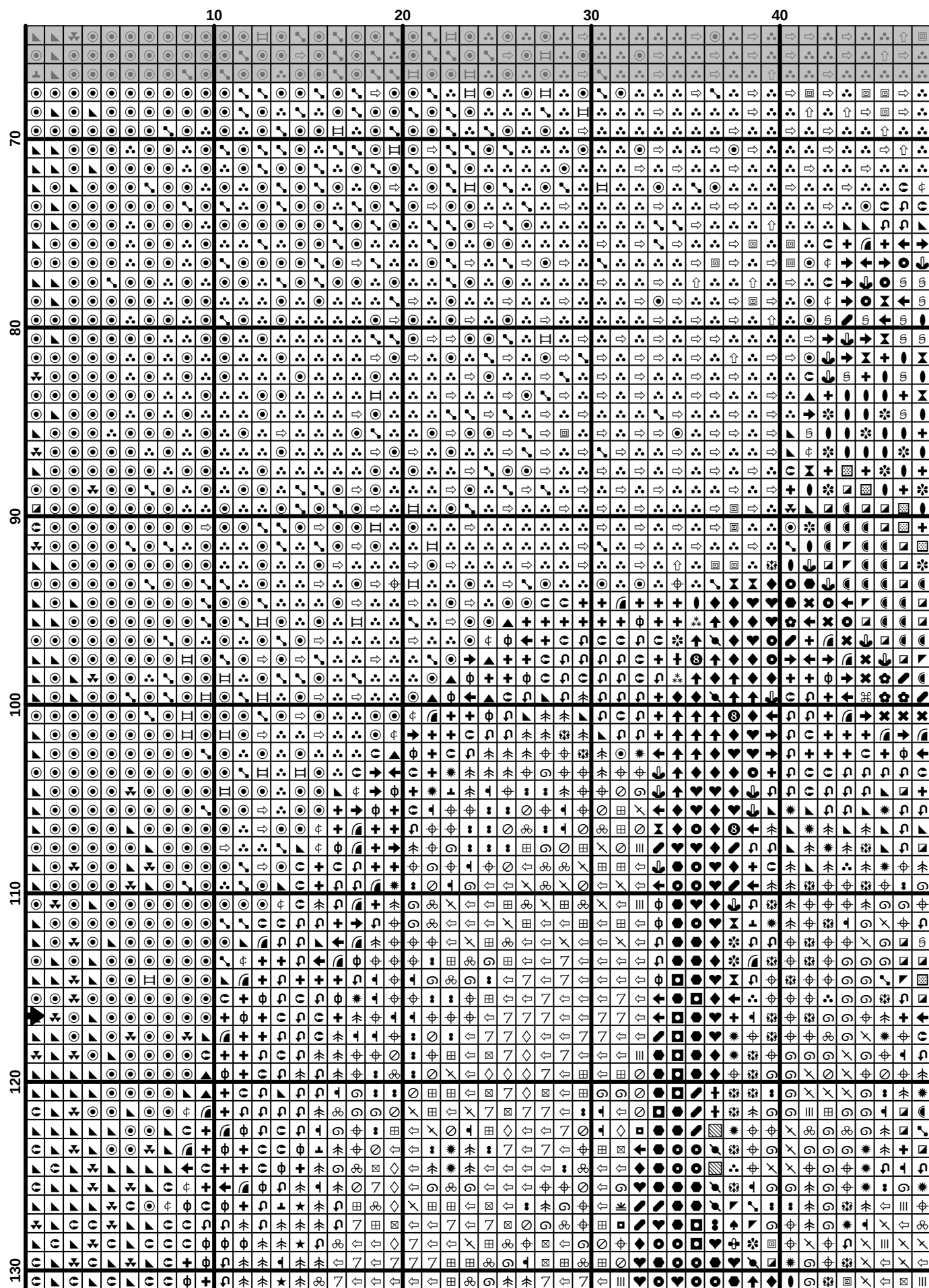
951	Tawny-LT	45	17	42	16	39	15
977	Golden Brown-LT	3	1	2	1	2	1
3011	Khaki Green-DK	86	33	80	31	75	29
3012	Khaki Green-MD	350	138	327	128	307	120
3021	Brown Gray-VY DK	94	37	88	34	82	32
3022	Brown Gray-MD	37	14	35	13	33	12
3023	Brown Gray-LT	43	17	40	16	38	15
3024	Brown Gray-VY LT	13	5	12	4	11	4
3031	Mocha Brown-VY DK	179	70	167	65	156	61
3032	Mocha Brown-MD	59	23	55	21	51	20
3045	Yellow Beige-DK	21	8	20	7	19	7
3051	Green Gray-DK	37	14	34	13	32	12
3052	Green Gray-MD	9	3	8	3	8	3
3064	Desert Sand	39	15	37	14	34	14
3072	Beaver Gray-VY LT	24	9	22	8	21	8
3328	Salmon-DK	1	1	1	1	1	1
3371	Black Brown	282	111	263	103	246	97
3721	Shell Pink-DK	35	14	33	13	31	12
3722	Shell Pink-MD	53	21	50	19	47	18
3726	Antique Mauve-DK	8	3	8	3	7	3
3756	Baby Blue-UL VY LT	17	6	16	6	15	6
3766	Peacock Blue-LT	2	1	2	1	2	1
3768	Gray Green-DK	11	4	10	4	10	3
3770	Tawny-VY LT	3	1	3	1	3	1
3772	Desert Sand-VY DK	118	46	110	43	104	41
3776	Mahogany-LT	1	1	1	1	1	1
3778	Terra Cotta-LT	13	5	12	4	11	4
3779	Terra Cotta-UL VY LT	35	14	32	13	30	12
3781	Mocha Brown-DK	111	43	103	40	97	38
3782	Mocha Brown-LT	40	15	37	14	35	14
3787	Brown Gray-DK	24	9	23	8	21	8
3790	Beige Gray-UL DK	68	26	63	25	59	23
3802	Antique Mauve-VY DK	25	10	23	9	22	8
3810	Turquoise-DK	7	3	7	2	6	2
3814	Aquamarine	1	1	1	1	1	1
3815	Celadon Green-DK	3	1	3	1	3	1
3816	Celadon Green-MD	4	1	4	1	3	1
3820	Straw-DK	3	1	2	1	2	1
3824	Apricot-LT	18	7	17	7	16	6
3826	Golden Brown	1	1	1	1	1	1
3827	Golden Brown-Pale	5	1	4	1	4	1
3828	Hazelnut Brown	86	33	80	31	75	29
3829	Old Gold-VY DK	30	12	28	11	26	10
3830	Terra Cotta-MD	7	3	7	2	6	2
3848	Teal Green-MD	18	7	17	7	16	6
3849	Teal Green-LT	8	3	8	3	7	3
3852	Straw-VY DK	2	1	2	1	2	1
3856	Mahogany-UL VY LT	15	6	14	5	13	5
3857	Rosewood-DK	51	20	48	19	45	17
3858	Rosewood-MD	48	19	45	17	42	16
3859	Rosewood-LT	40	15	37	14	35	14
3861	Cocoa-LT	25	10	23	9	22	8
3862	Mocha Beige-DK	136	53	127	50	119	47
3863	Mocha Beige-MD	57	22	53	20	50	19
3864	Mocha Beige-LT	32	12	30	11	28	11
3865	Winter White	44	17	41	16	38	15
3866	Mocha Brown-UL VY LT	28	11	26	10	25	10



	50	60	70	80	90
10					
20					
30					
40					
50					
60					







	50	60	70	80	90
70					
80					
90					
100					
110					
120					
130					

$$(11) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (12)$$

