

1687 The Flower Garden (small)



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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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The Flower Garden (small)

Stitch Count	
Horizontal:	200
Vertical:	241

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:	36	14,14	44	17,19	32	12,37	39	15,04	28	11	34	13,375
Including Margins:	52	21	60	24	48	19	55	22	44	18	50	20
	10				12				24			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	50	19,79	61	24,06	42	16,49	51	20,05	21	8,24	25	10,02
Including Margins:	66	26	77	31	58	23	67	27	37	15	41	17
	25				26				27			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	20	7,91	24	9,62	19	7,61	23	9,25	18	7,33	22	8,91
Including Margins:	36	14	40	16	35	14	39	16	34	14	38	15
	28				30				32			
	Width		Height		Width		Height		Width		Height	
	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch
Pattern:	18	7,07	22	8,59	16	6,59	20	8,02	15	6,18	19	7,52
Including Margins:	34	14	38	15	32	13	36	15	31	13	35	14

Solid Color Stitches. Use two strands of the specified color for these stitches.

Symbol	DMC	Name
⦿	223	Shell Pink-LT
⌚	224	Shell Pink-VY LT
■	315	Antique Mauve-VY DK
⦿	320	Pistachio Green-MD
⦿	368	Pistachio Green-LT
⊕	371	Mustard
	372	Mustard-LT
//	414	Steel Gray-DK
⦿	420	Hazelnut Brown-DK
⦿	422	Hazelnut Brown-LT
⦿	451	Shell Gray-DK
✓	452	Shell Gray-MD
▲	502	Blue Green
◆	503	Blue Green-MD
⦿	522	Fern Green
#	523	Fern Green-LT
::	524	Fern Green-VY LT
↓	535	Ash Gray-VY LT
↑	563	Jade-LT
⦿	564	Jade-VY LT
●	610	Drab Brown-DK
⦿	613	Drab Brown-VY LT
†	632	Desert Sand-UL VY DK
❖	640	Beige Gray-VY DK
⦿	642	Beige Gray-DK
♠	645	Beaver Gray-VY DK
✕	646	Beaver Gray-DK
⦿	647	Beaver Gray-MD
5	738	Tan-VY LT
•	739	Tan-UL VY LT
⦿	778	Antique Mauve-VY LT
(	822	Beige Gray-LT
3	834	Golden Olive-VY LT
◆	839	Beige Brown-DK
⦿	840	Beige Brown-MD
●	841	Beige Brown-LT
8	842	Beige Brown-VY LT
☆	928	Gray Green-VY LT
L	945	Tawny
n	948	Peach-VY LT
:	950	Desert Sand-LT
◇	966	Baby Green-MD
⦿	3022	Brown Gray-MD
=	3023	Brown Gray-LT
⇒	3024	Brown Gray-VY LT
>	3033	Mocha Brown-VY LT
III	3042	Antique Violet-LT
~	3047	Yellow Beige-LT
⦿	3052	Green Gray-MD
□	3072	Beaver Gray-VY LT
●	3346	Hunter Green
⦿	3347	Yellow Green-MD
●	3350	Dusty Rose-UL DK

	3362	Pine Green-DK
	3363	Pine Green-MD
	3364	Pine Green
	3685	Mauve-DK
	3687	Mauve
	3722	Shell Pink-MD
	3726	Antique Mauve-DK
	3731	Dusty Rose-VY DK
	3740	Antique Violet-DK
	3743	Antique Violet-VY LT
	3781	Mocha Brown-DK
	3782	Mocha Brown-LT
	3787	Brown Gray-DK
	3790	Beige Gray-UL DK
	3803	Mauve-MD
	3813	Blue Green-LT
	3815	Celadon Green-DK
	3816	Celadon Green-MD
	3860	Cocoa
	3861	Cocoa-LT
	3863	Mocha Beige-MD
	3864	Mocha Beige-LT
	3866	Mocha Brown-UL VY LT
	Ecru	Ecru

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.				
Symbol	DMC1	Name1	DMC2	Name2
	223	Shell Pink-LT	407	Desert Sand-DK
	223	Shell Pink-LT	640	Beige Gray-VY DK
	223	Shell Pink-LT	841	Beige Brown-LT
	223	Shell Pink-LT	3041	Antique Violet-MD
	223	Shell Pink-LT	3688	Mauve-MD
	223	Shell Pink-LT	3722	Shell Pink-MD
	223	Shell Pink-LT	3861	Cocoa-LT
	224	Shell Pink-VY LT	452	Shell Gray-MD
	224	Shell Pink-VY LT	524	Fern Green-VY LT
	224	Shell Pink-VY LT	613	Drab Brown-VY LT
	224	Shell Pink-VY LT	3727	Antique Mauve-LT
	224	Shell Pink-VY LT	3733	Dusty Rose
	315	Antique Mauve-VY DK	610	Drab Brown-DK
	315	Antique Mauve-VY DK	839	Beige Brown-DK
	315	Antique Mauve-VY DK	3790	Beige Gray-UL DK
	316	Antique Mauve-MD	452	Shell Gray-MD
	316	Antique Mauve-MD	3861	Cocoa-LT
	316	Antique Mauve-MD	3864	Mocha Beige-LT
	317	Pewter Gray	926	Gray Green-MD
	318	Steel Gray-LT	415	Pearl Gray
	318	Steel Gray-LT	927	Gray Green-LT
	367	Pistachio Green-DK	535	Ash Gray-VY LT
	368	Pistachio Green-LT	369	Pistachio Green-VY LT
	368	Pistachio Green-LT	503	Blue Green-MD
	369	Pistachio Green-VY LT	644	Beige Gray-MD
	369	Pistachio Green-VY LT	648	Beaver Gray-LT

△	369	Pistachio Green-VY LT	954	Nile Green
✍	370	Mustard-MD	611	Drab Brown
⌘	371	Mustard	3052	Green Gray-MD
⊕	371	Mustard	3859	Rosewood-LT
Ⓕ	372	Mustard-LT	407	Desert Sand-DK
◎	372	Mustard-LT	642	Beige Gray-DK
⌘	407	Desert Sand-DK	3688	Mauve-MD
⌘	414	Steel Gray-DK	3042	Antique Violet-LT
⌘	414	Steel Gray-DK	3816	Celadon Green-MD
√	415	Pearl Gray	928	Gray Green-VY LT
⌘	415	Pearl Gray	3042	Antique Violet-LT
⌘	433	Brown-MD	632	Desert Sand-UL VY DK
✱	451	Shell Gray-DK	3032	Mocha Brown-MD
✱	451	Shell Gray-DK	3041	Antique Violet-MD
?	452	Shell Gray-MD	453	Shell Gray-LT
⊖	452	Shell Gray-MD	524	Fern Green-VY LT
⌘	452	Shell Gray-MD	841	Beige Brown-LT
•	452	Shell Gray-MD	928	Gray Green-VY LT
⌘	452	Shell Gray-MD	3733	Dusty Rose
／	453	Shell Gray-LT	648	Beaver Gray-LT
⌘	453	Shell Gray-LT	778	Antique Mauve-VY LT
√	453	Shell Gray-LT	822	Beige Gray-LT
⊕	503	Blue Green-MD	563	Jade-LT
⌘	503	Blue Green-MD	3042	Antique Violet-LT
⌘	522	Fern Green	645	Beaver Gray-VY DK
⌘	523	Fern Green-LT	3364	Pine Green
+	524	Fern Green-VY LT	564	Jade-VY LT
⌘	524	Fern Green-VY LT	644	Beige Gray-MD
7	524	Fern Green-VY LT	738	Tan-VY LT
➔	535	Ash Gray-VY LT	844	Beaver Brown-UL DK
+	535	Ash Gray-VY LT	926	Gray Green-MD
◦	543	Beige Brown-UL VY LT	948	Peach-VY LT
♡	543	Beige Brown-UL VY LT	950	Desert Sand-LT
⌘	543	Beige Brown-UL VY LT	3354	Dusty Rose-LT
<	543	Beige Brown-UL VY LT	3774	Desert Sand-VY LT
z	553	Violet	3861	Cocoa-LT
×	563	Jade-LT	927	Gray Green-LT
♣	610	Drab Brown-DK	839	Beige Brown-DK
✱	610	Drab Brown-DK	3052	Green Gray-MD
▲	610	Drab Brown-DK	3787	Brown Gray-DK
⌘	610	Drab Brown-DK	3790	Beige Gray-UL DK
■	632	Desert Sand-UL VY DK	3863	Mocha Beige-MD
⊕	640	Beige Gray-VY DK	841	Beige Brown-LT
✱	640	Beige Gray-VY DK	3860	Cocoa
⌘	645	Beaver Gray-VY DK	3816	Celadon Green-MD
⌘	645	Beaver Gray-VY DK	3860	Cocoa
⌘	647	Beaver Gray-MD	927	Gray Green-LT
⌘	648	Beaver Gray-LT	928	Gray Green-VY LT
«	712	Cream	822	Beige Gray-LT
1	712	Cream	3866	Mocha Brown-UL VY LT
6	738	Tan-VY LT	754	Peach-LT
▷	739	Tan-UL VY LT	950	Desert Sand-LT
↑	772	Yellow Green-VY LT	3072	Beaver Gray-VY LT
◊	822	Beige Gray-LT	3823	Yellow-UL Pale
■	823	Navy Blue-DK	938	Coffee Brown-UL DK
■	838	Beige Brown-VY DK	3799	Pewter Gray-VY DK
⊕	838	Beige Brown-VY DK	3802	Antique Mauve-VY DK
✱	839	Beige Brown-DK	844	Beaver Brown-UL DK
●	839	Beige Brown-DK	895	Hunter Green-VY DK

←	839	Beige Brown-DK	3787	Brown Gray-DK
♥	839	Beige Brown-DK	3799	Pewter Gray-VY DK
▾	840	Beige Brown-MD	3726	Antique Mauve-DK
⚙	926	Gray Green-MD	3041	Antique Violet-MD
○	927	Gray Green-LT	928	Gray Green-VY LT
4	928	Gray Green-VY LT	3024	Brown Gray-VY LT
●	938	Coffee Brown-UL DK	3802	Antique Mauve-VY DK
	948	Peach-VY LT	3689	Mauve-LT
)	955	Nile Green-LT	3024	Brown Gray-VY LT
∞	3023	Brown Gray-LT	3861	Cocoa-LT
●	3041	Antique Violet-MD	3726	Antique Mauve-DK
✕	3052	Green Gray-MD	3362	Pine Green-DK
‡	3052	Green Gray-MD	3364	Pine Green
^	3072	Beaver Gray-VY LT	3866	Mocha Brown-UL VY LT
⊕	3346	Hunter Green	3362	Pine Green-DK
©	3346	Hunter Green	3787	Brown Gray-DK
⋮	3346	Hunter Green	3799	Pewter Gray-VY DK
●	3350	Dusty Rose-UL DK	3803	Mauve-MD
↓	3685	Mauve-DK	3721	Shell Pink-DK
φ	3687	Mauve	3803	Mauve-MD
☾	3722	Shell Pink-MD	3863	Mocha Beige-MD
▨	3726	Antique Mauve-DK	3740	Antique Violet-DK
=	3772	Desert Sand-VY DK	3862	Mocha Beige-DK
●	3781	Mocha Brown-DK	3802	Antique Mauve-VY DK
▲	3816	Celadon Green-MD	3787	Brown Gray-DK
‡	3861	Cocoa-LT	3864	Mocha Beige-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	
223	Shell Pink-LT	114	44	109	42	98	38
224	Shell Pink-VY LT	335	131	319	125	287	112
315	Antique Mauve-VY DK	52	20	49	19	44	17
316	Antique Mauve-MD	114	44	108	42	97	38
317	Pewter Gray	6	2	5	1	5	1
318	Steel Gray-LT	26	10	25	9	23	9
320	Pistachio Green-MD	15	5	14	5	13	5
367	Pistachio Green-DK	18	7	17	6	15	5
368	Pistachio Green-LT	101	39	96	37	86	33
369	Pistachio Green-VY LT	86	33	82	32	74	29
370	Mustard-MD	4	1	3	1	3	1
371	Mustard	23	9	21	8	19	7
372	Mustard-LT	56	22	53	20	48	18
407	Desert Sand-DK	41	16	39	15	35	13
414	Steel Gray-DK	112	44	107	42	96	37
415	Pearl Gray	17	6	17	6	15	5
420	Hazelnut Brown-DK	3	1	3	1	3	1
422	Hazelnut Brown-LT	2	1	2	1	1	1
433	Brown-MD	6	2	6	2	6	2
451	Shell Gray-DK	146	57	139	54	125	49
452	Shell Gray-MD	711	279	677	266	610	240
453	Shell Gray-LT	434	170	413	162	372	146
502	Blue Green	20	7	19	7	17	6
503	Blue Green-MD	313	123	298	117	268	105
522	Fern Green	345	135	329	129	296	116
523	Fern Green-LT	168	66	160	62	144	56
524	Fern Green-VY LT	598	235	570	224	513	201
535	Ash Gray-VY LT	30	11	29	11	26	10
543	Beige Brown-UL VY LT	298	117	284	111	255	100
553	Violet	13	5	12	4	11	4
563	Jade-LT	78	30	74	29	67	26
564	Jade-VY LT	46	18	43	16	39	15
610	Drab Brown-DK	73	28	70	27	63	24
611	Drab Brown	4	1	3	1	3	1
613	Drab Brown-VY LT	307	120	293	115	263	103
632	Desert Sand-UL VY DK	26	10	24	9	22	8
640	Beige Gray-VY DK	163	64	156	61	140	55
642	Beige Gray-DK	204	80	194	76	175	68
644	Beige Gray-MD	140	55	133	52	120	47
645	Beaver Gray-VY DK	133	52	127	50	114	44
646	Beaver Gray-DK	153	60	146	57	131	51
647	Beaver Gray-MD	450	177	429	168	386	151
648	Beaver Gray-LT	235	92	224	88	201	79
712	Cream	169	66	161	63	145	57
738	Tan-VY LT	135	53	129	50	116	45
739	Tan-UL VY LT	65	25	62	24	56	22
754	Peach-LT	42	16	40	15	36	14
772	Yellow Green-VY LT	41	16	39	15	35	13
778	Antique Mauve-VY LT	133	52	127	50	114	44
822	Beige Gray-LT	518	203	494	194	444	174
823	Navy Blue-DK	8	3	8	3	7	2
834	Golden Olive-VY LT	1	1	1	1	1	1
838	Beige Brown-VY DK	53	20	50	19	45	17

839	Beige Brown-DK	118	46	112	44	101	39
840	Beige Brown-MD	37	14	35	13	32	12
841	Beige Brown-LT	206	81	196	77	176	69
842	Beige Brown-VY LT	358	140	341	134	307	120
844	Beaver Brown-UL DK	17	6	16	6	15	5
895	Hunter Green-VY DK	5	1	5	1	4	1
926	Gray Green-MD	29	11	28	11	25	9
927	Gray Green-LT	284	111	270	106	243	95
928	Gray Green-VY LT	338	133	322	126	290	114
938	Coffee Brown-UL DK	27	10	25	9	23	9
945	Tawny	6	2	6	2	5	1
948	Peach-VY LT	75	29	72	28	64	25
950	Desert Sand-LT	203	79	193	75	174	68
954	Nile Green	3	1	3	1	3	1
955	Nile Green-LT	6	2	6	2	5	1
966	Baby Green-MD	12	4	11	4	10	3
3022	Brown Gray-MD	217	85	207	81	186	73
3023	Brown Gray-LT	353	138	336	132	302	118
3024	Brown Gray-VY LT	231	90	220	86	198	77
3032	Mocha Brown-MD	57	22	54	21	49	19
3033	Mocha Brown-VY LT	101	39	96	37	87	34
3041	Antique Violet-MD	50	19	48	18	43	16
3042	Antique Violet-LT	150	59	143	56	129	50
3047	Yellow Beige-LT	12	4	11	4	10	3
3052	Green Gray-MD	244	96	232	91	209	82
3072	Beaver Gray-VY LT	112	44	107	42	96	37
3346	Hunter Green	62	24	59	23	53	20
3347	Yellow Green-MD	8	3	7	2	7	2
3350	Dusty Rose-UL DK	22	8	21	8	19	7
3354	Dusty Rose-LT	30	11	28	11	25	9
3362	Pine Green-DK	102	40	97	38	88	34
3363	Pine Green-MD	127	50	121	47	109	42
3364	Pine Green	98	38	94	37	84	33
3685	Mauve-DK	12	4	11	4	10	3
3687	Mauve	20	7	19	7	17	6
3688	Mauve-MD	38	14	36	14	32	12
3689	Mauve-LT	11	4	10	3	9	3
3721	Shell Pink-DK	5	1	5	1	4	1
3722	Shell Pink-MD	23	9	22	8	20	7
3726	Antique Mauve-DK	32	12	31	12	28	11
3727	Antique Mauve-LT	14	5	13	5	12	4
3731	Dusty Rose-VY DK	2	1	2	1	2	1
3733	Dusty Rose	61	24	58	22	52	20
3740	Antique Violet-DK	5	1	5	1	4	1
3743	Antique Violet-VY LT	6	2	6	2	5	1
3772	Desert Sand-VY DK	9	3	9	3	8	3
3774	Desert Sand-VY LT	86	33	82	32	74	29
3781	Mocha Brown-DK	30	11	28	11	26	10
3782	Mocha Brown-LT	183	72	174	68	157	61
3787	Brown Gray-DK	113	44	107	42	97	38
3790	Beige Gray-UL DK	50	19	48	18	43	16
3799	Pewter Gray-VY DK	80	31	76	29	69	27
3802	Antique Mauve-VY DK	37	14	35	13	32	12
3803	Mauve-MD	31	12	29	11	27	10
3813	Blue Green-LT	24	9	23	9	20	7
3815	Celadon Green-DK	4	1	3	1	3	1
3816	Celadon Green-MD	138	54	131	51	118	46
3823	Yellow-UL Pale	75	29	72	28	65	25
3859	Rosewood-LT	4	1	4	1	3	1

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3860	Cocoa	42	16	40	15	36	14
3861	Cocoa-LT	366	144	348	137	314	123
3862	Mocha Beige-DK	9	3	9	3	8	3
3863	Mocha Beige-MD	33	12	31	12	28	11
3864	Mocha Beige-LT	160	62	153	60	138	54
3866	Mocha Brown-UL VY LT	127	50	121	47	109	42
Ecru	Ecru	755	297	719	283	647	254

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
223	Shell Pink-LT	176	68	147	57	74	29
224	Shell Pink-VY LT	517	202	431	168	215	84
315	Antique Mauve-VY DK	79	31	66	26	33	13
316	Antique Mauve-MD	175	68	146	57	73	29
317	Pewter Gray	9	2	8	2	4	1
318	Steel Gray-LT	41	16	35	14	17	7
320	Pistachio Green-MD	23	9	20	8	10	4
367	Pistachio Green-DK	27	9	23	8	11	4
368	Pistachio Green-LT	155	59	129	50	65	25
369	Pistachio Green-VY LT	133	52	111	44	56	22
370	Mustard-MD	5	2	5	2	2	1
371	Mustard	34	13	29	11	14	5
372	Mustard-LT	86	32	72	27	36	14
407	Desert Sand-DK	63	23	53	20	26	10
414	Steel Gray-DK	173	67	144	56	72	28
415	Pearl Gray	27	9	23	8	11	4
420	Hazelnut Brown-DK	5	2	5	2	2	1
422	Hazelnut Brown-LT	2	2	2	2	1	1
433	Brown-MD	11	4	9	3	5	2
451	Shell Gray-DK	225	88	188	74	94	37
452	Shell Gray-MD	1098	432	915	360	458	180
453	Shell Gray-LT	670	263	558	219	279	110
502	Blue Green	31	11	26	9	13	5
503	Blue Green-MD	482	189	402	158	201	79
522	Fern Green	533	209	444	174	222	87
523	Fern Green-LT	259	101	216	84	108	42
524	Fern Green-VY LT	923	362	770	302	385	151
535	Ash Gray-VY LT	47	18	39	15	20	8
543	Beige Brown-UL VY LT	459	180	383	150	191	75
553	Violet	20	7	17	6	8	3
563	Jade-LT	121	47	101	39	50	20
564	Jade-VY LT	70	27	59	23	29	11
610	Drab Brown-DK	113	43	95	36	47	18
611	Drab Brown	5	2	5	2	2	1
613	Drab Brown-VY LT	473	185	395	155	197	77
632	Desert Sand-UL VY DK	40	14	33	12	17	6
640	Beige Gray-VY DK	252	99	210	83	105	41
642	Beige Gray-DK	315	122	263	102	131	51
644	Beige Gray-MD	216	85	180	71	90	35
645	Beaver Gray-VY DK	205	79	171	66	86	33
646	Beaver Gray-DK	236	92	197	77	98	38
647	Beaver Gray-MD	695	272	579	227	290	113
648	Beaver Gray-LT	362	142	302	119	151	59
712	Cream	261	103	218	86	109	43
738	Tan-VY LT	209	81	174	68	87	34

739	Tan-UL VY LT	101	40	84	33	42	17
754	Peach-LT	65	25	54	21	27	11
772	Yellow Green-VY LT	63	23	53	20	26	10
778	Antique Mauve-VY LT	205	79	171	66	86	33
822	Beige Gray-LT	799	313	666	261	333	131
823	Navy Blue-DK	13	4	11	3	5	2
834	Golden Olive-VY LT	2	2	2	2	1	1
838	Beige Brown-VY DK	81	31	68	26	34	13
839	Beige Brown-DK	182	70	152	59	76	29
840	Beige Brown-MD	58	22	48	18	24	9
841	Beige Brown-LT	317	124	264	104	132	52
842	Beige Brown-VY LT	553	216	461	180	230	90
844	Beaver Brown-UL DK	27	9	23	8	11	4
895	Hunter Green-VY DK	7	2	6	2	3	1
926	Gray Green-MD	45	16	38	14	19	7
927	Gray Green-LT	437	171	365	143	182	71
928	Gray Green-VY LT	522	205	435	171	218	86
938	Coffee Brown-UL DK	41	16	35	14	17	7
945	Tawny	9	2	8	2	4	1
948	Peach-VY LT	115	45	96	38	48	19
950	Desert Sand-LT	313	122	261	102	131	51
954	Nile Green	5	2	5	2	2	1
955	Nile Green-LT	9	2	8	2	4	1
966	Baby Green-MD	18	5	15	5	8	2
3022	Brown Gray-MD	335	131	279	110	140	55
3023	Brown Gray-LT	544	212	453	177	227	89
3024	Brown Gray-VY LT	356	139	297	116	149	58
3032	Mocha Brown-MD	88	34	74	29	37	14
3033	Mocha Brown-VY LT	157	61	131	51	65	26
3041	Antique Violet-MD	77	29	65	24	32	12
3042	Antique Violet-LT	232	90	194	75	97	38
3047	Yellow Beige-LT	18	5	15	5	8	2
3052	Green Gray-MD	376	148	314	123	157	62
3072	Beaver Gray-VY LT	173	67	144	56	72	28
3346	Hunter Green	95	36	80	30	40	15
3347	Yellow Green-MD	13	4	11	3	5	2
3350	Dusty Rose-UL DK	34	13	29	11	14	5
3354	Dusty Rose-LT	45	16	38	14	19	7
3362	Pine Green-DK	158	61	132	51	66	26
3363	Pine Green-MD	196	76	164	63	82	32
3364	Pine Green	151	59	126	50	63	25
3685	Mauve-DK	18	5	15	5	8	2
3687	Mauve	31	11	26	9	13	5
3688	Mauve-MD	58	22	48	18	24	9
3689	Mauve-LT	16	5	14	5	7	2
3721	Shell Pink-DK	7	2	6	2	3	1
3722	Shell Pink-MD	36	13	30	11	15	5
3726	Antique Mauve-DK	50	20	42	17	21	8
3727	Antique Mauve-LT	22	7	18	6	9	3
3731	Dusty Rose-VY DK	4	2	3	2	2	1
3733	Dusty Rose	94	36	78	30	39	15
3740	Antique Violet-DK	7	2	6	2	3	1
3743	Antique Violet-VY LT	9	2	8	2	4	1
3772	Desert Sand-VY DK	14	5	12	5	6	2
3774	Desert Sand-VY LT	133	52	111	44	56	22
3781	Mocha Brown-DK	47	18	39	15	20	8
3782	Mocha Brown-LT	283	110	236	92	118	46
3787	Brown Gray-DK	175	68	146	57	73	29
3790	Beige Gray-UL DK	77	29	65	24	32	12

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3799	Pewter Gray-VY DK	124	49	104	41	52	20
3802	Antique Mauve-VY DK	58	22	48	18	24	9
3803	Mauve-MD	49	18	41	15	20	8
3813	Blue Green-LT	36	13	30	11	15	5
3815	Celadon Green-DK	5	2	5	2	2	1
3816	Celadon Green-MD	212	83	177	69	89	35
3823	Yellow-UL Pale	117	45	98	38	49	19
3859	Rosewood-LT	5	2	5	2	2	1
3860	Cocoa	65	25	54	21	27	11
3861	Cocoa-LT	565	221	471	185	236	92
3862	Mocha Beige-DK	14	5	12	5	6	2
3863	Mocha Beige-MD	50	20	42	17	21	8
3864	Mocha Beige-LT	248	97	207	81	104	41
3866	Mocha Brown-UL VY LT	196	76	164	63	82	32
Ecru	Ecru	1165	457	971	381	485	191

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
223	Shell Pink-LT	71	27	68	26	65	25
224	Shell Pink-VY LT	207	81	199	78	191	75
315	Antique Mauve-VY DK	32	12	30	12	29	11
316	Antique Mauve-MD	70	27	67	26	65	25
317	Pewter Gray	4	1	3	1	3	1
318	Steel Gray-LT	17	6	16	6	15	6
320	Pistachio Green-MD	9	4	9	3	9	3
367	Pistachio Green-DK	11	4	10	3	10	3
368	Pistachio Green-LT	62	24	60	23	57	22
369	Pistachio Green-VY LT	53	21	51	20	49	19
370	Mustard-MD	2	1	2	1	2	1
371	Mustard	14	5	13	5	13	5
372	Mustard-LT	35	13	33	12	32	12
407	Desert Sand-DK	25	9	24	9	23	9
414	Steel Gray-DK	69	27	66	26	64	25
415	Pearl Gray	11	4	10	3	10	3
420	Hazelnut Brown-DK	2	1	2	1	2	1
422	Hazelnut Brown-LT	1	1	1	1	1	1
433	Brown-MD	4	1	4	1	4	1
451	Shell Gray-DK	90	35	87	34	83	33
452	Shell Gray-MD	439	173	422	166	407	160
453	Shell Gray-LT	268	105	258	101	248	97
502	Blue Green	12	4	12	4	11	4
503	Blue Green-MD	193	76	186	73	179	70
522	Fern Green	213	84	205	80	197	77
523	Fern Green-LT	104	40	100	39	96	37
524	Fern Green-VY LT	369	145	355	139	342	134
535	Ash Gray-VY LT	19	7	18	7	17	7
543	Beige Brown-UL VY LT	184	72	177	69	170	67
553	Violet	8	3	8	3	7	3
563	Jade-LT	48	19	46	18	45	17
564	Jade-VY LT	28	11	27	10	26	10
610	Drab Brown-DK	45	17	44	17	42	16
611	Drab Brown	2	1	2	1	2	1
613	Drab Brown-VY LT	189	74	182	71	175	69
632	Desert Sand-UL VY DK	16	6	15	6	15	5
640	Beige Gray-VY DK	101	40	97	38	93	37

642	Beige Gray-DK	126	49	121	47	117	45
644	Beige Gray-MD	86	34	83	33	80	31
645	Beaver Gray-VY DK	82	32	79	30	76	29
646	Beaver Gray-DK	94	37	91	35	87	34
647	Beaver Gray-MD	278	109	267	105	257	101
648	Beaver Gray-LT	145	57	139	55	134	53
712	Cream	104	41	100	39	97	38
738	Tan-VY LT	84	32	80	31	77	30
739	Tan-UL VY LT	40	16	39	15	37	15
754	Peach-LT	26	10	25	10	24	9
772	Yellow Green-VY LT	25	9	24	9	23	9
778	Antique Mauve-VY LT	82	32	79	30	76	29
822	Beige Gray-LT	320	125	307	120	296	116
823	Navy Blue-DK	5	1	5	1	5	1
834	Golden Olive-VY LT	1	1	1	1	1	1
838	Beige Brown-VY DK	32	12	31	12	30	11
839	Beige Brown-DK	73	28	70	27	67	26
840	Beige Brown-MD	23	9	22	8	21	8
841	Beige Brown-LT	127	50	122	48	117	46
842	Beige Brown-VY LT	221	86	213	83	205	80
844	Beaver Brown-UL DK	11	4	10	3	10	3
895	Hunter Green-VY DK	3	1	3	1	3	1
926	Gray Green-MD	18	6	17	6	17	6
927	Gray Green-LT	175	68	168	66	162	63
928	Gray Green-VY LT	209	82	201	79	193	76
938	Coffee Brown-UL DK	17	6	16	6	15	6
945	Tawny	4	1	3	1	3	1
948	Peach-VY LT	46	18	44	17	43	17
950	Desert Sand-LT	125	49	120	47	116	45
954	Nile Green	2	1	2	1	2	1
955	Nile Green-LT	4	1	3	1	3	1
966	Baby Green-MD	7	2	7	2	7	2
3022	Brown Gray-MD	134	53	129	51	124	49
3023	Brown Gray-LT	217	85	209	82	201	79
3024	Brown Gray-VY LT	143	55	137	53	132	51
3032	Mocha Brown-MD	35	14	34	13	33	13
3033	Mocha Brown-VY LT	63	24	60	24	58	23
3041	Antique Violet-MD	31	12	30	11	29	11
3042	Antique Violet-LT	93	36	89	35	86	33
3047	Yellow Beige-LT	7	2	7	2	7	2
3052	Green Gray-MD	150	59	145	57	139	55
3072	Beaver Gray-VY LT	69	27	66	26	64	25
3346	Hunter Green	38	14	37	14	35	13
3347	Yellow Green-MD	5	1	5	1	5	1
3350	Dusty Rose-UL DK	14	5	13	5	13	5
3354	Dusty Rose-LT	18	6	17	6	17	6
3362	Pine Green-DK	63	24	61	24	59	23
3363	Pine Green-MD	78	30	75	29	73	28
3364	Pine Green	60	24	58	23	56	22
3685	Mauve-DK	7	2	7	2	7	2
3687	Mauve	12	4	12	4	11	4
3688	Mauve-MD	23	9	22	8	21	8
3689	Mauve-LT	6	2	6	2	6	2
3721	Shell Pink-DK	3	1	3	1	3	1
3722	Shell Pink-MD	14	5	14	5	13	5
3726	Antique Mauve-DK	20	8	19	8	19	7
3727	Antique Mauve-LT	9	3	8	3	8	3
3731	Dusty Rose-VY DK	1	1	1	1	1	1
3733	Dusty Rose	37	14	36	14	35	13

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3740	Antique Violet-DK	3	1	3	1	3	1
3743	Antique Violet-VY LT	4	1	3	1	3	1
3772	Desert Sand-VY DK	6	2	6	2	5	2
3774	Desert Sand-VY LT	53	21	51	20	49	19
3781	Mocha Brown-DK	19	7	18	7	17	7
3782	Mocha Brown-LT	113	44	109	42	105	41
3787	Brown Gray-DK	70	27	67	26	65	25
3790	Beige Gray-UL DK	31	12	30	11	29	11
3799	Pewter Gray-VY DK	50	19	48	19	46	18
3802	Antique Mauve-VY DK	23	9	22	8	21	8
3803	Mauve-MD	19	7	19	7	18	7
3813	Blue Green-LT	14	5	14	5	13	5
3815	Celadon Green-DK	2	1	2	1	2	1
3816	Celadon Green-MD	85	33	82	32	79	31
3823	Yellow-UL Pale	47	18	45	17	43	17
3859	Rosewood-LT	2	1	2	1	2	1
3860	Cocoa	26	10	25	10	24	9
3861	Cocoa-LT	226	89	217	85	209	82
3862	Mocha Beige-DK	6	2	6	2	5	2
3863	Mocha Beige-MD	20	8	19	8	19	7
3864	Mocha Beige-LT	99	39	96	37	92	36
3866	Mocha Brown-UL VY LT	78	30	75	29	73	28
Ecru	Ecru	466	183	448	176	431	169

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
223	Shell Pink-LT	63	24	59	23	55	21
224	Shell Pink-VY LT	185	72	172	67	161	63
315	Antique Mauve-VY DK	28	11	26	10	25	10
316	Antique Mauve-MD	62	24	58	23	55	21
317	Pewter Gray	3	1	3	1	3	1
318	Steel Gray-LT	15	6	14	5	13	5
320	Pistachio Green-MD	8	3	8	3	7	3
367	Pistachio Green-DK	10	3	9	3	8	3
368	Pistachio Green-LT	55	21	52	20	48	19
369	Pistachio Green-VY LT	48	19	44	17	42	16
370	Mustard-MD	2	1	2	1	2	1
371	Mustard	12	5	11	4	11	4
372	Mustard-LT	31	12	29	11	27	10
407	Desert Sand-DK	23	8	21	8	20	7
414	Steel Gray-DK	62	24	58	22	54	21
415	Pearl Gray	10	3	9	3	8	3
420	Hazelnut Brown-DK	2	1	2	1	2	1
422	Hazelnut Brown-LT	1	1	1	1	1	1
433	Brown-MD	4	1	4	1	3	1
451	Shell Gray-DK	80	32	75	29	70	28
452	Shell Gray-MD	392	154	366	144	343	135
453	Shell Gray-LT	239	94	223	88	209	82
502	Blue Green	11	4	10	4	10	3
503	Blue Green-MD	172	68	161	63	151	59
522	Fern Green	190	75	178	70	167	65
523	Fern Green-LT	93	36	86	34	81	32
524	Fern Green-VY LT	330	129	308	121	289	113
535	Ash Gray-VY LT	17	6	16	6	15	6
543	Beige Brown-UL VY LT	164	64	153	60	143	56

553	Violet	7	3	7	2	6	2
563	Jade-LT	43	17	40	16	38	15
564	Jade-VY LT	25	10	23	9	22	8
610	Drab Brown-DK	41	15	38	14	35	14
611	Drab Brown	2	1	2	1	2	1
613	Drab Brown-VY LT	169	66	158	62	148	58
632	Desert Sand-UL VY DK	14	5	13	5	12	5
640	Beige Gray-VY DK	90	35	84	33	79	31
642	Beige Gray-DK	113	44	105	41	98	38
644	Beige Gray-MD	77	30	72	28	68	26
645	Beaver Gray-VY DK	73	28	68	26	64	25
646	Beaver Gray-DK	84	33	79	31	74	29
647	Beaver Gray-MD	248	97	232	91	217	85
648	Beaver Gray-LT	129	51	121	47	113	44
712	Cream	93	37	87	34	82	32
738	Tan-VY LT	75	29	70	27	65	25
739	Tan-UL VY LT	36	14	34	13	32	12
754	Peach-LT	23	9	22	8	20	8
772	Yellow Green-VY LT	23	8	21	8	20	7
778	Antique Mauve-VY LT	73	28	68	26	64	25
822	Beige Gray-LT	285	112	266	104	250	98
823	Navy Blue-DK	5	1	4	1	4	1
834	Golden Olive-VY LT	1	1	1	1	1	1
838	Beige Brown-VY DK	29	11	27	10	25	10
839	Beige Brown-DK	65	25	61	23	57	22
840	Beige Brown-MD	21	8	19	7	18	7
841	Beige Brown-LT	113	44	106	41	99	39
842	Beige Brown-VY LT	197	77	184	72	173	68
844	Beaver Brown-UL DK	10	3	9	3	8	3
895	Hunter Green-VY DK	3	1	2	1	2	1
926	Gray Green-MD	16	6	15	5	14	5
927	Gray Green-LT	156	61	146	57	137	53
928	Gray Green-VY LT	186	73	174	68	163	64
938	Coffee Brown-UL DK	15	6	14	5	13	5
945	Tawny	3	1	3	1	3	1
948	Peach-VY LT	41	16	38	15	36	14
950	Desert Sand-LT	112	44	104	41	98	38
954	Nile Green	2	1	2	1	2	1
955	Nile Green-LT	3	1	3	1	3	1
966	Baby Green-MD	6	2	6	2	6	2
3022	Brown Gray-MD	120	47	112	44	105	41
3023	Brown Gray-LT	194	76	181	71	170	66
3024	Brown Gray-VY LT	127	50	119	46	111	43
3032	Mocha Brown-MD	32	12	29	11	28	11
3033	Mocha Brown-VY LT	56	22	52	20	49	19
3041	Antique Violet-MD	28	10	26	10	24	9
3042	Antique Violet-LT	83	32	77	30	73	28
3047	Yellow Beige-LT	6	2	6	2	6	2
3052	Green Gray-MD	134	53	125	49	118	46
3072	Beaver Gray-VY LT	62	24	58	22	54	21
3346	Hunter Green	34	13	32	12	30	11
3347	Yellow Green-MD	5	1	4	1	4	1
3350	Dusty Rose-UL DK	12	5	11	4	11	4
3354	Dusty Rose-LT	16	6	15	5	14	5
3362	Pine Green-DK	57	22	53	20	50	19
3363	Pine Green-MD	70	27	65	25	61	24
3364	Pine Green	54	21	50	20	47	19
3685	Mauve-DK	6	2	6	2	6	2
3687	Mauve	11	4	10	4	10	3

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3688	Mauve-MD	21	8	19	7	18	7
3689	Mauve-LT	6	2	5	2	5	2
3721	Shell Pink-DK	3	1	2	1	2	1
3722	Shell Pink-MD	13	5	12	4	11	4
3726	Antique Mauve-DK	18	7	17	7	16	6
3727	Antique Mauve-LT	8	3	7	2	7	2
3731	Dusty Rose-VY DK	1	1	1	1	1	1
3733	Dusty Rose	33	13	31	12	29	11
3740	Antique Violet-DK	3	1	2	1	2	1
3743	Antique Violet-VY LT	3	1	3	1	3	1
3772	Desert Sand-VY DK	5	2	5	2	5	2
3774	Desert Sand-VY LT	48	19	44	17	42	16
3781	Mocha Brown-DK	17	6	16	6	15	6
3782	Mocha Brown-LT	101	39	94	37	88	34
3787	Brown Gray-DK	62	24	58	23	55	21
3790	Beige Gray-UL DK	28	10	26	10	24	9
3799	Pewter Gray-VY DK	44	17	41	16	39	15
3802	Antique Mauve-VY DK	21	8	19	7	18	7
3803	Mauve-MD	17	6	16	6	15	6
3813	Blue Green-LT	13	5	12	4	11	4
3815	Celadon Green-DK	2	1	2	1	2	1
3816	Celadon Green-MD	76	30	71	28	66	26
3823	Yellow-UL Pale	42	16	39	15	37	14
3859	Rosewood-LT	2	1	2	1	2	1
3860	Cocoa	23	9	22	8	20	8
3861	Cocoa-LT	202	79	188	74	177	69
3862	Mocha Beige-DK	5	2	5	2	5	2
3863	Mocha Beige-MD	18	7	17	7	16	6
3864	Mocha Beige-LT	89	35	83	32	78	30
3866	Mocha Brown-UL VY LT	70	27	65	25	61	24
Ecru	Ecru	416	163	388	152	364	143

[illegible]

[illegible]

(9)

	130	140	150	160	170
10	...	...	...	...	...
20	...	...	...	...	...
30	...	...	...	...	...
40	...	...	...	...	...
50	...	...	...	...	...
60	...	...	...	...	...

(10)

	10	20	30	40
60				
70				
80				
90				
100				
110				
120				

(13)

	90	100	110	120
60				
70				
80				
90				
100				
110				
120				

$$(14) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} h(s) ds$$

	170	180	190	200
60	...	...	...	...
70	...	...	...	...
80	...	...	...	...
90	...	...	...	...
100	...	...	...	...
110	...	...	...	...
120	...	...	...	...

	10	20	30	40
120				
130				
140				
150				
160				
170				
180				

$$(17) \quad \mathcal{L}(\mathcal{A}) = \mathcal{L}(\mathcal{B}) \quad (18)$$

	90										100										110										120																																																																																																																																																																									
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