

## 779 Peonies



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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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## Peonies

Stitch Count	
Horizontal:	200
Vertical:	246

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	45	17.51	32	12.37	39	15.32	28	11	35	13.625
Including Margins:	52	21	61	24	48	19	55	22	44	18	51	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	63	24.51	42	16.49	52	20.42	21	8.24	26	10.21
Including Margins:	66	26	79	31	58	23	68	27	37	15	42	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	25	9.8	19	7.61	24	9.42	18	7.33	23	9.07
Including Margins:	36	14	41	16	35	14	40	16	34	14	39	16
	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	8.75	16	6.59	21	8.17	15	6.18	19	7.66
Including Margins:	34	14	38	15	32	13	37	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
6	224	Shell Pink-VY LT
▲	315	Antique Mauve-VY DK
L	316	Antique Mauve-MD
■	317	Pewter Gray
∞	318	Steel Gray-LT
7	352	Coral-LT
6	353	Peach
*	370	Mustard-MD
/	371	Mustard
9	372	Mustard-LT
↑	402	Mahogany-VY LT
⇒	407	Desert Sand-DK
III	413	Pewter Gray-DK
●	414	Steel Gray-DK
±	415	Pearl Gray
∅	422	Hazelnut Brown-LT
□	437	Tan-LT
⊕	451	Shell Gray-DK
▲	452	Shell Gray-MD
ρ	453	Shell Gray-LT
▲	522	Fern Green
○	524	Fern Green-VY LT
↑	535	Ash Gray-VY LT
⌈	543	Beige Brown-UL VY LT
Φ	602	Cranberry-MD
⊕	612	Drab Brown-LT
∅	640	Beige Gray-VY DK
6	644	Beige Gray-MD
⊕	645	Beaver Gray-VY DK
Z	647	Beaver Gray-MD
n	676	Old Gold-LT
L	677	Old Gold-VY LT
!	729	Old Gold-MD
♡	738	Tan-VY LT
^	739	Tan-UL VY LT
-	743	Yellow-MD
::	754	Peach-LT
◁	758	Terra Cotta-VY LT
☆	760	Salmon
..	761	Salmon-LT
?	778	Antique Mauve-VY LT

•	819	Baby Pink-LT
Δ	834	Golden Olive-VY LT
↓	844	Beaver Brown-UL DK
α	894	Carnation-VY LT
⊗	926	Gray Green-MD
‡	927	Gray Green-LT
○	928	Gray Green-VY LT
■	934	Black Avocado Green
>	945	Tawny
:	948	Peach-VY LT
<	950	Desert Sand-LT
▼	961	Dusty Rose-DK
↓	3032	Mocha Brown-MD
o	3041	Antique Violet-MD
▲	3052	Green Gray-MD
↓	3064	Desert Sand
∇	3326	Rose-LT
✱	3350	Dusty Rose-UL DK
✕	3363	Pine Green-MD
≡	3687	Mauve
III	3712	Salmon-MD
◇	3722	Shell Pink-MD
■	3726	Antique Mauve-DK
↓	3727	Antique Mauve-LT
◇	3733	Dusty Rose
➔	3740	Antique Violet-DK
«	3770	Tawny-VY LT
◻	3772	Desert Sand-VY DK
∴	3778	Terra Cotta-LT
⊕	3781	Mocha Brown-DK
⊖	3787	Brown Gray-DK
⊙	3790	Beige Gray-UL DK
■	3799	Pewter Gray-VY DK
⊙	3802	Antique Mauve-VY DK
▼	3803	Mauve-MD
=	3824	Apricot-LT
◇	3828	Hazelnut Brown
**	3833	Raspberry-LT
(	3855	Autumn Gold-LT
+	3856	Mahogany-UL VY LT
★	3859	Rosewood-LT
▲	3860	Cocoa
⊙	3861	Cocoa-LT
↘	3864	Mocha Beige-LT
	3866	Mocha Brown-UL VY LT

Blend Stitches. Use one strand of each of DMC1 and DMC2 for these stitches.				
Symbol	DMC1	Name1	DMC2	Name2
●	844	Beaver Brown-UL DK	3799	Pewter Gray-VY DK
*	3041	Antique Violet-MD	317	Pewter Gray
2	452	Shell Gray-MD	453	Shell Gray-LT
//	3861	Cocoa-LT	3864	Mocha Beige-LT

V	316	Antique Mauve-MD	452	Shell Gray-MD
W	223	Shell Pink-LT	451	Shell Gray-DK
⦶	3032	Mocha Brown-MD	3772	Desert Sand-VY DK
❖	3772	Desert Sand-VY DK	223	Shell Pink-LT
♦♦	3032	Mocha Brown-MD	3726	Antique Mauve-DK
☪	3721	Shell Pink-DK	3772	Desert Sand-VY DK
H	352	Coral-LT	3856	Mahogany-UL VY LT
m	407	Desert Sand-DK	758	Terra Cotta-VY LT
V	758	Terra Cotta-VY LT	3856	Mahogany-UL VY LT
□	3864	Mocha Beige-LT	3032	Mocha Brown-MD
♠	3363	Pine Green-MD	645	Beaver Gray-VY DK
✱	3787	Brown Gray-DK	3363	Pine Green-MD
⊠	3864	Mocha Beige-LT	3064	Desert Sand
↓	3740	Antique Violet-DK	3787	Brown Gray-DK
3	738	Tan-VY LT	758	Terra Cotta-VY LT
⋄	758	Terra Cotta-VY LT	3864	Mocha Beige-LT
X	3860	Cocoa	3726	Antique Mauve-DK
◎	451	Shell Gray-DK	3041	Antique Violet-MD
⊗	3860	Cocoa	3740	Antique Violet-DK
⦿	844	Beaver Brown-UL DK	3834	Grape-DK
⋈	3864	Mocha Beige-LT	407	Desert Sand-DK
✦	3790	Beige Gray-UL DK	3052	Green Gray-MD
#	414	Steel Gray-DK	318	Steel Gray-LT
X	413	Pewter Gray-DK	317	Pewter Gray
T	3856	Mahogany-UL VY LT	437	Tan-LT
✧	3772	Desert Sand-VY DK	612	Drab Brown-LT
X	758	Terra Cotta-VY LT	3778	Terra Cotta-LT
◀	3772	Desert Sand-VY DK	640	Beige Gray-VY DK
♣	3740	Antique Violet-DK	3834	Grape-DK
✦	315	Antique Mauve-VY DK	3726	Antique Mauve-DK
●	3799	Pewter Gray-VY DK	413	Pewter Gray-DK
⌋	356	Terra Cotta-MD	3828	Hazelnut Brown
/	543	Beige Brown-UL VY LT	950	Desert Sand-LT
X	407	Desert Sand-DK	3861	Cocoa-LT
▲	3041	Antique Violet-MD	3740	Antique Violet-DK
⊠	3778	Terra Cotta-LT	223	Shell Pink-LT
◦	543	Beige Brown-UL VY LT	948	Peach-VY LT
⌋	3712	Salmon-MD	356	Terra Cotta-MD
⊠	3860	Cocoa	3861	Cocoa-LT
田	3861	Cocoa-LT	223	Shell Pink-LT
♥	844	Beaver Brown-UL DK	3802	Antique Mauve-VY DK
▣	3363	Pine Green-MD	501	Blue Green-DK
♣	917	Plum-MD	316	Antique Mauve-MD
⊠	3803	Mauve-MD	3726	Antique Mauve-DK
\$	371	Mustard	3052	Green Gray-MD
♣	3787	Brown Gray-DK	501	Blue Green-DK
5	452	Shell Gray-MD	950	Desert Sand-LT
☪	3726	Antique Mauve-DK	223	Shell Pink-LT
♦	3740	Antique Violet-DK	3802	Antique Mauve-VY DK
†	3726	Antique Mauve-DK	3740	Antique Violet-DK
⊠	223	Shell Pink-LT	315	Antique Mauve-VY DK
☪	223	Shell Pink-LT	3721	Shell Pink-DK
▼	315	Antique Mauve-VY DK	3772	Desert Sand-VY DK
☪	3861	Cocoa-LT	3726	Antique Mauve-DK
♠	452	Shell Gray-MD	318	Steel Gray-LT
∩	3861	Cocoa-LT	318	Steel Gray-LT
♠	3041	Antique Violet-MD	503	Blue Green-MD
↑	928	Gray Green-VY LT	453	Shell Gray-LT
=	223	Shell Pink-LT	356	Terra Cotta-MD

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✕	3861	Cocoa-LT	640	Beige Gray-VY DK
∴	453	Shell Gray-LT	778	Antique Mauve-VY LT
	402	Mahogany-VY LT	3064	Desert Sand
⅔	3778	Terra Cotta-LT	3064	Desert Sand
◇	407	Desert Sand-DK	612	Drab Brown-LT
◀	407	Desert Sand-DK	738	Tan-VY LT
⚡	503	Blue Green-MD	451	Shell Gray-DK
⬆	961	Dusty Rose-DK	3778	Terra Cotta-LT
↔	961	Dusty Rose-DK	758	Terra Cotta-VY LT
⊖	3733	Dusty Rose	407	Desert Sand-DK
⊕	3733	Dusty Rose	223	Shell Pink-LT
□	3856	Mahogany-UL VY LT	224	Shell Pink-VY LT
⌞	3856	Mahogany-UL VY LT	3778	Terra Cotta-LT
⬆	961	Dusty Rose-DK	223	Shell Pink-LT
∞	3855	Autumn Gold-LT	353	Peach
‡	352	Coral-LT	754	Peach-LT
4	3733	Dusty Rose	452	Shell Gray-MD
9	452	Shell Gray-MD	224	Shell Pink-VY LT
✕	315	Antique Mauve-VY DK	844	Beaver Brown-UL DK
↖	3861	Cocoa-LT	524	Fern Green-VY LT
✱	645	Beaver Gray-VY DK	640	Beige Gray-VY DK
⦿	522	Fern Green	451	Shell Gray-DK
∞	352	Coral-LT	353	Peach
√	352	Coral-LT	3855	Autumn Gold-LT
⌞	452	Shell Gray-MD	760	Salmon
⌞	758	Terra Cotta-VY LT	760	Salmon
H	3859	Rosewood-LT	3778	Terra Cotta-LT
⌞	647	Beaver Gray-MD	451	Shell Gray-DK
△	3687	Mauve	917	Plum-MD
+	602	Cranberry-MD	3350	Dusty Rose-UL DK
↖	3687	Mauve	3803	Mauve-MD
⌞	3687	Mauve	602	Cranberry-MD
⑤	3834	Grape-DK	3799	Pewter Gray-VY DK
▨	3834	Grape-DK	413	Pewter Gray-DK
⦿	645	Beaver Gray-VY DK	844	Beaver Brown-UL DK
←	3860	Cocoa	3802	Antique Mauve-VY DK
	3772	Desert Sand-VY DK	3726	Antique Mauve-DK
u	3824	Apricot-LT	3855	Autumn Gold-LT
c	353	Peach	3824	Apricot-LT
↖	3859	Rosewood-LT	3861	Cocoa-LT
⊕	3687	Mauve	223	Shell Pink-LT
♣	3350	Dusty Rose-UL DK	3803	Mauve-MD
⊞	3687	Mauve	316	Antique Mauve-MD
▷	543	Beige Brown-UL VY LT	453	Shell Gray-LT
e	543	Beige Brown-UL VY LT	761	Salmon-LT
⦿	413	Pewter Gray-DK	414	Steel Gray-DK
0	3733	Dusty Rose	761	Salmon-LT
⦿	414	Steel Gray-DK	3834	Grape-DK
↘	318	Steel Gray-LT	209	Lavender-DK
1	353	Peach	677	Old Gold-VY LT
‡	3712	Salmon-MD	402	Mahogany-VY LT
)	948	Peach-VY LT	761	Salmon-LT
▶	3350	Dusty Rose-UL DK	3687	Mauve

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	
209	Lavender-DK	21	8	20	7	18	7
223	Shell Pink-LT	306	120	291	114	262	103
224	Shell Pink-VY LT	106	41	101	39	91	35
315	Antique Mauve-VY DK	85	33	81	31	73	28
316	Antique Mauve-MD	61	24	58	22	52	20
317	Pewter Gray	128	50	122	48	109	42
318	Steel Gray-LT	194	76	185	72	166	65
352	Coral-LT	34	13	32	12	29	11
353	Peach	136	53	130	51	117	46
356	Terra Cotta-MD	25	9	24	9	22	8
370	Mustard-MD	5	1	4	1	4	1
371	Mustard	60	23	58	22	52	20
372	Mustard-LT	83	32	79	31	71	27
402	Mahogany-VY LT	33	12	31	12	28	11
407	Desert Sand-DK	277	109	264	103	237	93
413	Pewter Gray-DK	356	140	339	133	305	120
414	Steel Gray-DK	116	45	110	43	99	38
415	Pearl Gray	15	5	14	5	13	5
422	Hazelnut Brown-LT	45	17	43	16	38	14
437	Tan-LT	46	18	44	17	39	15
451	Shell Gray-DK	336	132	320	125	288	113
452	Shell Gray-MD	389	153	371	146	333	131
453	Shell Gray-LT	258	101	245	96	221	87
501	Blue Green-DK	21	8	20	7	18	7
503	Blue Green-MD	62	24	59	23	53	20
522	Fern Green	59	23	56	22	51	20
524	Fern Green-VY LT	151	59	144	56	130	51
535	Ash Gray-VY LT	127	50	121	47	109	42
543	Beige Brown-UL VY LT	327	128	311	122	280	110
602	Cranberry-MD	18	7	18	7	16	6
612	Drab Brown-LT	129	50	123	48	110	43
640	Beige Gray-VY DK	213	83	203	79	182	71
644	Beige Gray-MD	95	37	90	35	81	31
645	Beaver Gray-VY DK	360	141	343	135	309	121
647	Beaver Gray-MD	218	85	208	81	187	73
676	Old Gold-LT	31	12	29	11	26	10
677	Old Gold-VY LT	80	31	76	29	69	27
729	Old Gold-MD	7	2	6	2	6	2
738	Tan-VY LT	176	69	168	66	151	59
739	Tan-UL VY LT	85	33	81	31	73	28
743	Yellow-MD	3	1	3	1	3	1
754	Peach-LT	42	16	40	15	36	14
758	Terra Cotta-VY LT	171	67	163	64	146	57
760	Salmon	51	20	49	19	44	17
761	Salmon-LT	137	53	130	51	117	46
778	Antique Mauve-VY LT	99	38	94	37	85	33
819	Baby Pink-LT	152	59	144	56	130	51
834	Golden Olive-VY LT	13	5	12	4	11	4
844	Beaver Brown-UL DK	581	228	553	217	498	196
894	Carnation-VY LT	4	1	4	1	3	1
917	Plum-MD	12	4	12	4	10	3
926	Gray Green-MD	42	16	40	15	36	14
927	Gray Green-LT	37	14	35	13	31	12
928	Gray Green-VY LT	54	21	51	20	46	18

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934	Black Avocado Green	52	20	49	19	44	17
945	Tawny	123	48	117	46	105	41
948	Peach-VY LT	614	241	585	230	526	207
950	Desert Sand-LT	245	96	234	92	210	82
961	Dusty Rose-DK	29	11	28	11	25	9
3032	Mocha Brown-MD	237	93	225	88	203	79
3041	Antique Violet-MD	204	80	195	76	175	68
3052	Green Gray-MD	138	54	131	51	118	46
3064	Desert Sand	105	41	100	39	90	35
3326	Rose-LT	8	3	7	2	7	2
3350	Dusty Rose-UL DK	22	8	20	7	18	7
3363	Pine Green-MD	74	29	70	27	63	24
3687	Mauve	56	22	53	20	48	18
3712	Salmon-MD	20	7	19	7	17	6
3721	Shell Pink-DK	16	6	15	5	13	5
3722	Shell Pink-MD	12	4	11	4	10	3
3726	Antique Mauve-DK	232	91	221	87	199	78
3727	Antique Mauve-LT	26	10	24	9	22	8
3733	Dusty Rose	107	42	102	40	92	36
3740	Antique Violet-DK	189	74	180	70	162	63
3770	Tawny-VY LT	616	242	586	230	528	207
3772	Desert Sand-VY DK	214	84	204	80	183	72
3778	Terra Cotta-LT	104	40	99	38	89	35
3781	Mocha Brown-DK	9	3	8	3	7	2
3787	Brown Gray-DK	185	72	176	69	158	62
3790	Beige Gray-UL DK	51	20	48	18	43	16
3799	Pewter Gray-VY DK	1398	550	1332	524	1199	472
3802	Antique Mauve-VY DK	67	26	64	25	57	22
3803	Mauve-MD	38	14	36	14	32	12
3824	Apricot-LT	33	12	31	12	28	11
3828	Hazelnut Brown	18	7	17	6	16	6
3833	Raspberry-LT	16	6	16	6	14	5
3834	Grape-DK	321	126	306	120	275	108
3855	Autumn Gold-LT	92	36	88	34	79	31
3856	Mahogany-UL VY LT	122	48	116	45	104	40
3859	Rosewood-LT	139	54	132	51	119	46
3860	Cocoa	144	56	137	53	123	48
3861	Cocoa-LT	597	235	569	224	512	201
3864	Mocha Beige-LT	305	120	290	114	261	102
3866	Mocha Brown-UL VY LT	194	76	184	72	166	65

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		10		12		24	
209	Lavender-DK	32	13	27	11	14	5
223	Shell Pink-LT	472	185	393	155	197	77
224	Shell Pink-VY LT	164	63	137	53	68	26
315	Antique Mauve-VY DK	131	50	110	42	55	21
316	Antique Mauve-MD	94	36	78	30	39	15
317	Pewter Gray	196	76	164	63	82	32
318	Steel Gray-LT	299	117	249	98	125	49
352	Coral-LT	52	20	44	17	22	8
353	Peach	211	83	176	69	88	35
356	Terra Cotta-MD	40	14	33	12	17	6
370	Mustard-MD	7	2	6	2	3	1
371	Mustard	94	36	78	30	39	15



372	Mustard-LT	128	49	107	41	53	20
402	Mahogany-VY LT	50	20	42	17	21	8
407	Desert Sand-DK	427	167	356	140	178	70
413	Pewter Gray-DK	549	216	458	180	229	90
414	Steel Gray-DK	178	68	149	57	74	29
415	Pearl Gray	23	9	20	8	10	4
422	Hazelnut Brown-LT	68	25	57	21	29	11
437	Tan-LT	70	27	59	23	29	11
451	Shell Gray-DK	518	203	432	170	216	85
452	Shell Gray-MD	599	236	500	197	250	98
453	Shell Gray-LT	398	157	332	131	166	65
501	Blue Green-DK	32	13	27	11	14	5
503	Blue Green-MD	95	36	80	30	40	15
522	Fern Green	92	36	77	30	38	15
524	Fern Green-VY LT	234	92	195	77	98	38
535	Ash Gray-VY LT	196	76	164	63	82	32
543	Beige Brown-UL VY LT	504	198	420	165	210	83
602	Cranberry-MD	29	11	24	9	12	5
612	Drab Brown-LT	198	77	165	65	83	32
640	Beige Gray-VY DK	328	128	273	107	137	53
644	Beige Gray-MD	146	56	122	47	61	23
645	Beaver Gray-VY DK	556	218	464	182	232	91
647	Beaver Gray-MD	337	131	281	110	140	55
676	Old Gold-LT	47	18	39	15	20	8
677	Old Gold-VY LT	124	49	104	41	52	20
729	Old Gold-MD	11	4	9	3	5	2
738	Tan-VY LT	272	106	227	89	113	44
739	Tan-UL VY LT	131	50	110	42	55	21
743	Yellow-MD	5	2	5	2	2	1
754	Peach-LT	65	25	54	21	27	11
758	Terra Cotta-VY LT	263	103	219	86	110	43
760	Salmon	79	31	66	26	33	13
761	Salmon-LT	211	83	176	69	88	35
778	Antique Mauve-VY LT	153	59	128	50	64	25
819	Baby Pink-LT	234	92	195	77	98	38
834	Golden Olive-VY LT	20	7	17	6	8	3
844	Beaver Brown-UL DK	896	353	747	294	374	147
894	Carnation-VY LT	5	2	5	2	2	1
917	Plum-MD	18	5	15	5	8	2
926	Gray Green-MD	65	25	54	21	27	11
927	Gray Green-LT	56	22	47	18	23	9
928	Gray Green-VY LT	83	32	69	27	35	14
934	Black Avocado Green	79	31	66	26	33	13
945	Tawny	189	74	158	62	79	31
948	Peach-VY LT	947	373	789	311	395	155
950	Desert Sand-LT	378	148	315	123	158	62
961	Dusty Rose-DK	45	16	38	14	19	7
3032	Mocha Brown-MD	365	142	305	119	152	59
3041	Antique Violet-MD	315	122	263	102	131	51
3052	Green Gray-MD	212	83	177	69	89	35
3064	Desert Sand	162	63	135	53	68	26
3326	Rose-LT	13	4	11	3	5	2
3350	Dusty Rose-UL DK	32	13	27	11	14	5
3363	Pine Green-MD	113	43	95	36	47	18
3687	Mauve	86	32	72	27	36	14
3712	Salmon-MD	31	11	26	9	13	5
3721	Shell Pink-DK	23	9	20	8	10	4
3722	Shell Pink-MD	18	5	15	5	8	2
3726	Antique Mauve-DK	358	140	299	117	149	59

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3727	Antique Mauve-LT	40	14	33	12	17	6
3733	Dusty Rose	166	65	138	54	69	27
3740	Antique Violet-DK	292	113	243	95	122	47
3770	Tawny-VY LT	950	373	792	311	396	155
3772	Desert Sand-VY DK	329	130	275	108	137	54
3778	Terra Cotta-LT	160	63	134	53	67	26
3781	Mocha Brown-DK	13	4	11	3	5	2
3787	Brown Gray-DK	284	112	237	93	119	47
3790	Beige Gray-UL DK	77	29	65	24	32	12
3799	Pewter Gray-VY DK	2158	850	1799	708	899	354
3802	Antique Mauve-VY DK	103	40	86	33	43	17
3803	Mauve-MD	58	22	48	18	24	9
3824	Apricot-LT	50	20	42	17	21	8
3828	Hazelnut Brown	29	11	24	9	12	5
3833	Raspberry-LT	25	9	21	8	11	4
3834	Grape-DK	495	194	413	162	206	81
3855	Autumn Gold-LT	142	56	119	47	59	23
3856	Mahogany-UL VY LT	187	72	156	60	78	30
3859	Rosewood-LT	214	83	179	69	89	35
3860	Cocoa	221	86	185	72	92	36
3861	Cocoa-LT	922	362	768	302	384	151
3864	Mocha Beige-LT	470	184	392	153	196	77
3866	Mocha Brown-UL VY LT	299	117	249	98	125	49

Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		25		26		27	
209	Lavender-DK	13	5	12	5	12	5
223	Shell Pink-LT	189	74	181	71	175	69
224	Shell Pink-VY LT	66	25	63	24	61	23
315	Antique Mauve-VY DK	53	20	51	19	49	19
316	Antique Mauve-MD	37	14	36	14	35	13
317	Pewter Gray	78	30	75	29	73	28
318	Steel Gray-LT	120	47	115	45	111	43
352	Coral-LT	21	8	20	8	19	7
353	Peach	84	33	81	32	78	31
356	Terra Cotta-MD	16	6	15	6	15	5
370	Mustard-MD	3	1	3	1	3	1
371	Mustard	37	14	36	14	35	13
372	Mustard-LT	51	19	49	19	47	18
402	Mahogany-VY LT	20	8	19	8	19	7
407	Desert Sand-DK	171	67	164	64	158	62
413	Pewter Gray-DK	220	86	211	83	203	80
414	Steel Gray-DK	71	27	69	26	66	25
415	Pearl Gray	9	4	9	3	9	3
422	Hazelnut Brown-LT	27	10	26	10	25	9
437	Tan-LT	28	11	27	10	26	10
451	Shell Gray-DK	207	81	199	78	192	75
452	Shell Gray-MD	240	94	231	91	222	87
453	Shell Gray-LT	159	63	153	60	147	58
501	Blue Green-DK	13	5	12	5	12	5
503	Blue Green-MD	38	14	37	14	35	13
522	Fern Green	37	14	35	14	34	13
524	Fern Green-VY LT	94	37	90	35	87	34
535	Ash Gray-VY LT	78	30	75	29	73	28
543	Beige Brown-UL VY LT	202	79	194	76	187	73

602	Cranberry-MD	12	4	11	4	11	4
612	Drab Brown-LT	79	31	76	30	73	29
640	Beige Gray-VY DK	131	51	126	49	121	47
644	Beige Gray-MD	58	22	56	21	54	21
645	Beaver Gray-VY DK	222	87	214	84	206	81
647	Beaver Gray-MD	135	53	129	51	125	49
676	Old Gold-LT	19	7	18	7	17	7
677	Old Gold-VY LT	50	19	48	19	46	18
729	Old Gold-MD	4	1	4	1	4	1
738	Tan-VY LT	109	42	105	41	101	39
739	Tan-UL VY LT	53	20	51	19	49	19
743	Yellow-MD	2	1	2	1	2	1
754	Peach-LT	26	10	25	10	24	9
758	Terra Cotta-VY LT	105	41	101	39	97	38
760	Salmon	32	12	30	12	29	11
761	Salmon-LT	84	33	81	32	78	31
778	Antique Mauve-VY LT	61	24	59	23	57	22
819	Baby Pink-LT	94	37	90	35	87	34
834	Golden Olive-VY LT	8	3	8	3	7	3
844	Beaver Brown-UL DK	359	141	345	136	332	131
894	Carnation-VY LT	2	1	2	1	2	1
917	Plum-MD	7	2	7	2	7	2
926	Gray Green-MD	26	10	25	10	24	9
927	Gray Green-LT	22	9	21	8	21	8
928	Gray Green-VY LT	33	13	32	12	31	12
934	Black Avocado Green	32	12	30	12	29	11
945	Tawny	76	30	73	28	70	27
948	Peach-VY LT	379	149	364	143	351	138
950	Desert Sand-LT	151	59	145	57	140	55
961	Dusty Rose-DK	18	6	17	6	17	6
3032	Mocha Brown-MD	146	57	141	55	135	53
3041	Antique Violet-MD	126	49	121	47	117	45
3052	Green Gray-MD	85	33	82	32	79	31
3064	Desert Sand	65	25	62	24	60	23
3326	Rose-LT	5	1	5	1	5	1
3350	Dusty Rose-UL DK	13	5	12	5	12	5
3363	Pine Green-MD	45	17	44	17	42	16
3687	Mauve	35	13	33	12	32	12
3712	Salmon-MD	12	4	12	4	11	4
3721	Shell Pink-DK	9	4	9	3	9	3
3722	Shell Pink-MD	7	2	7	2	7	2
3726	Antique Mauve-DK	143	56	138	54	133	52
3727	Antique Mauve-LT	16	6	15	6	15	5
3733	Dusty Rose	66	26	64	25	61	24
3740	Antique Violet-DK	117	45	112	44	108	42
3770	Tawny-VY LT	380	149	366	143	352	138
3772	Desert Sand-VY DK	132	52	127	50	122	48
3778	Terra Cotta-LT	64	25	62	24	59	23
3781	Mocha Brown-DK	5	1	5	1	5	1
3787	Brown Gray-DK	114	45	109	43	105	41
3790	Beige Gray-UL DK	31	12	30	11	29	11
3799	Pewter Gray-VY DK	863	340	830	327	799	315
3802	Antique Mauve-VY DK	41	16	39	15	38	15
3803	Mauve-MD	23	9	22	8	21	8
3824	Apricot-LT	20	8	19	8	19	7
3828	Hazelnut Brown	12	4	11	4	11	4
3833	Raspberry-LT	10	4	10	3	9	3
3834	Grape-DK	198	78	190	75	183	72
3855	Autumn Gold-LT	57	22	55	21	53	21

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3856	Mahogany-UL VY LT	75	29	72	28	69	27
3859	Rosewood-LT	86	33	82	32	79	31
3860	Cocoa	89	35	85	33	82	32
3861	Cocoa-LT	369	145	354	139	341	134
3864	Mocha Beige-LT	188	73	181	71	174	68
3866	Mocha Brown-UL VY LT	120	47	115	45	111	43

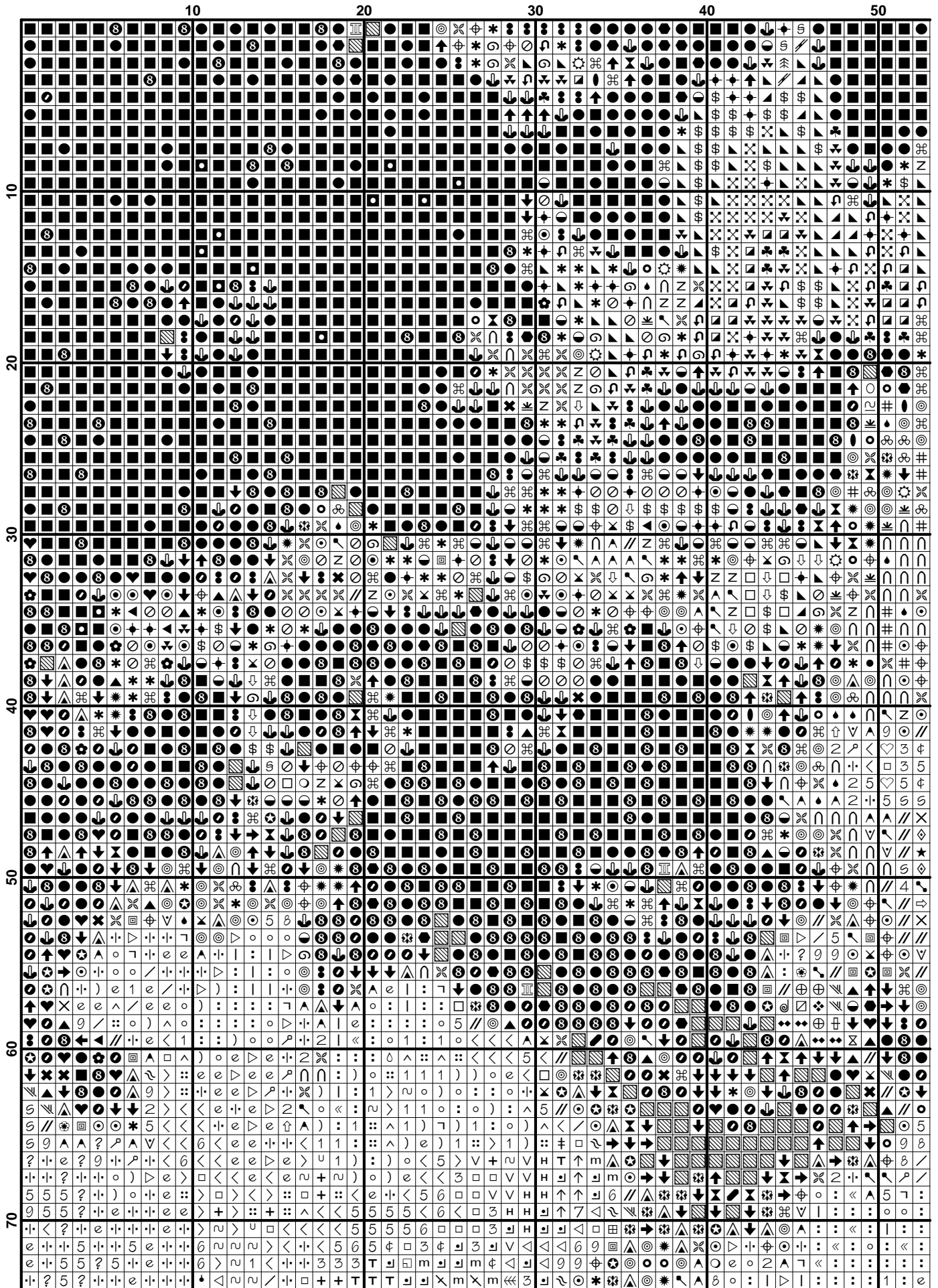
Extended thread usage table.							
DMC	Name	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)	Usage (cm)	Usage (inch)
		28		30		32	
209	Lavender-DK	12	5	11	4	10	4
223	Shell Pink-LT	168	66	157	62	147	58
224	Shell Pink-VY LT	59	23	55	21	51	20
315	Antique Mauve-VY DK	47	18	44	17	41	16
316	Antique Mauve-MD	33	13	31	12	29	11
317	Pewter Gray	70	27	65	25	61	24
318	Steel Gray-LT	107	42	100	39	93	37
352	Coral-LT	19	7	17	7	16	6
353	Peach	75	30	70	28	66	26
356	Terra Cotta-MD	14	5	13	5	12	5
370	Mustard-MD	3	1	2	1	2	1
371	Mustard	33	13	31	12	29	11
372	Mustard-LT	46	17	43	16	40	15
402	Mahogany-VY LT	18	7	17	7	16	6
407	Desert Sand-DK	152	60	142	56	133	52
413	Pewter Gray-DK	196	77	183	72	172	68
414	Steel Gray-DK	64	24	59	23	56	21
415	Pearl Gray	8	3	8	3	7	3
422	Hazelnut Brown-LT	24	9	23	8	21	8
437	Tan-LT	25	10	23	9	22	8
451	Shell Gray-DK	185	73	173	68	162	64
452	Shell Gray-MD	214	84	200	79	187	74
453	Shell Gray-LT	142	56	133	52	124	49
501	Blue Green-DK	12	5	11	4	10	4
503	Blue Green-MD	34	13	32	12	30	11
522	Fern Green	33	13	31	12	29	11
524	Fern Green-VY LT	84	33	78	31	73	29
535	Ash Gray-VY LT	70	27	65	25	61	24
543	Beige Brown-UL VY LT	180	71	168	66	158	62
602	Cranberry-MD	10	4	10	4	9	3
612	Drab Brown-LT	71	28	66	26	62	24
640	Beige Gray-VY DK	117	46	109	43	102	40
644	Beige Gray-MD	52	20	49	19	46	17
645	Beaver Gray-VY DK	199	78	185	73	174	68
647	Beaver Gray-MD	120	47	112	44	105	41
676	Old Gold-LT	17	6	16	6	15	6
677	Old Gold-VY LT	44	17	41	16	39	15
729	Old Gold-MD	4	1	4	1	3	1
738	Tan-VY LT	97	38	91	35	85	33
739	Tan-UL VY LT	47	18	44	17	41	16
743	Yellow-MD	2	1	2	1	2	1
754	Peach-LT	23	9	22	8	20	8
758	Terra Cotta-VY LT	94	37	88	34	82	32
760	Salmon	28	11	26	10	25	10
761	Salmon-LT	75	30	70	28	66	26
778	Antique Mauve-VY LT	55	21	51	20	48	19
819	Baby Pink-LT	84	33	78	31	73	29

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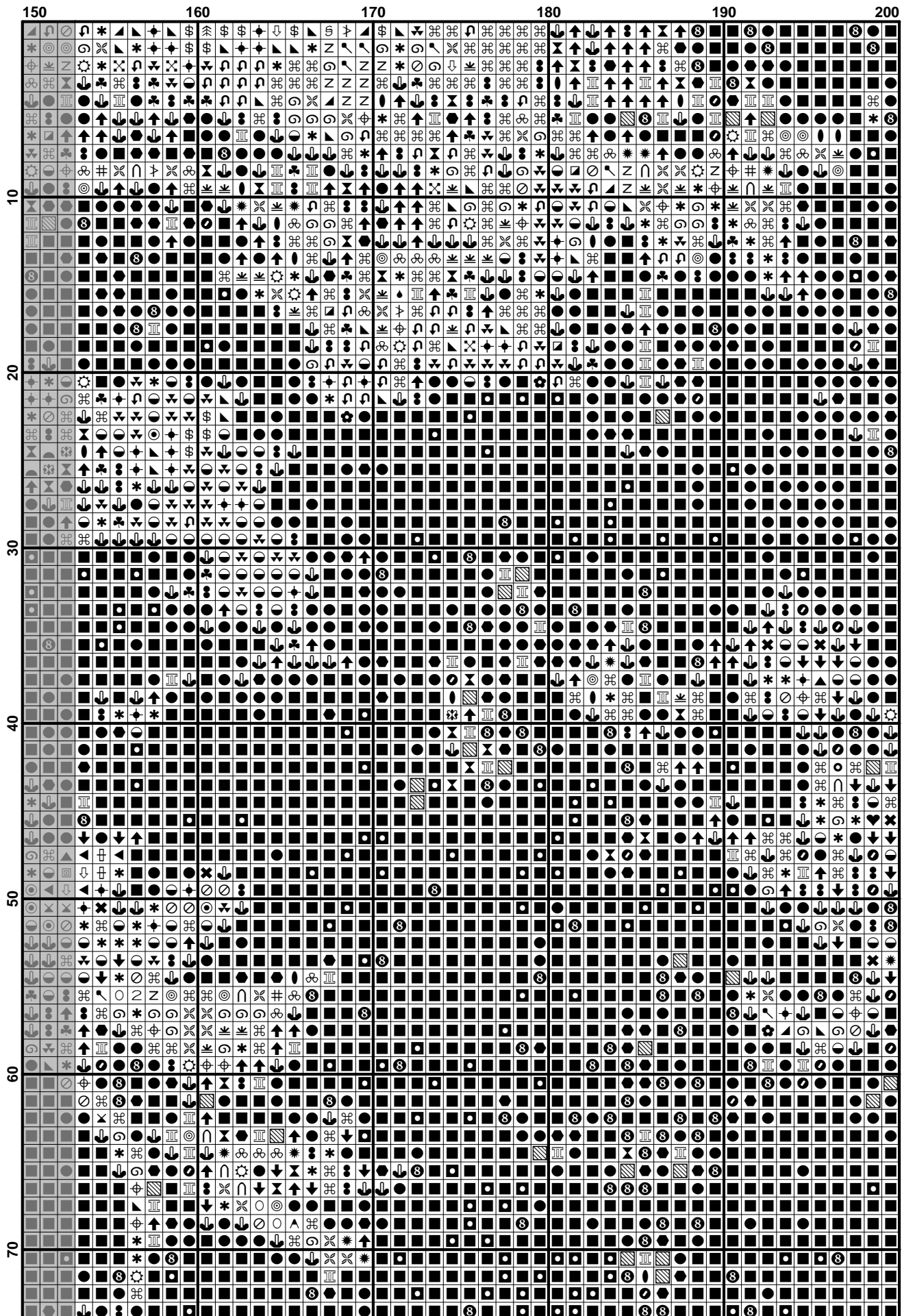
834	Golden Olive-VY LT	7	3	7	2	6	2
844	Beaver Brown-UL DK	320	126	299	118	280	110
894	Carnation-VY LT	2	1	2	1	2	1
917	Plum-MD	6	2	6	2	6	2
926	Gray Green-MD	23	9	22	8	20	8
927	Gray Green-LT	20	8	19	7	17	7
928	Gray Green-VY LT	30	12	28	11	26	10
934	Black Avocado Green	28	11	26	10	25	10
945	Tawny	68	26	63	25	59	23
948	Peach-VY LT	338	133	316	124	296	116
950	Desert Sand-LT	135	53	126	49	118	46
961	Dusty Rose-DK	16	6	15	5	14	5
3032	Mocha Brown-MD	131	51	122	47	114	44
3041	Antique Violet-MD	113	44	105	41	98	38
3052	Green Gray-MD	76	30	71	28	66	26
3064	Desert Sand	58	23	54	21	51	20
3326	Rose-LT	5	1	4	1	4	1
3350	Dusty Rose-UL DK	12	5	11	4	10	4
3363	Pine Green-MD	41	15	38	14	35	14
3687	Mauve	31	12	29	11	27	10
3712	Salmon-MD	11	4	10	4	10	3
3721	Shell Pink-DK	8	3	8	3	7	3
3722	Shell Pink-MD	6	2	6	2	6	2
3726	Antique Mauve-DK	128	50	119	47	112	44
3727	Antique Mauve-LT	14	5	13	5	12	5
3733	Dusty Rose	59	23	55	22	52	20
3740	Antique Violet-DK	104	41	97	38	91	35
3770	Tawny-VY LT	339	133	317	124	297	116
3772	Desert Sand-VY DK	118	46	110	43	103	41
3778	Terra Cotta-LT	57	23	53	21	50	20
3781	Mocha Brown-DK	5	1	4	1	4	1
3787	Brown Gray-DK	102	40	95	37	89	35
3790	Beige Gray-UL DK	28	10	26	10	24	9
3799	Pewter Gray-VY DK	771	303	719	283	674	266
3802	Antique Mauve-VY DK	37	14	34	13	32	12
3803	Mauve-MD	21	8	19	7	18	7
3824	Apricot-LT	18	7	17	7	16	6
3828	Hazelnut Brown	10	4	10	4	9	3
3833	Raspberry-LT	9	3	8	3	8	3
3834	Grape-DK	177	69	165	65	155	61
3855	Autumn Gold-LT	51	20	47	19	44	17
3856	Mahogany-UL VY LT	67	26	62	24	59	23
3859	Rosewood-LT	77	30	71	28	67	26
3860	Cocoa	79	31	74	29	69	27
3861	Cocoa-LT	329	129	307	121	288	113
3864	Mocha Beige-LT	168	66	157	61	147	57
3866	Mocha Brown-UL VY LT	107	42	100	39	93	37





	50	60	70	80	90	100
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$$(10) \quad \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} f(s) ds = \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} g(s) ds + \frac{1}{\Gamma(\alpha)} \int_0^t (t-s)^{\alpha-1} h(s) ds$$

	100	110	120	130	140	150
80	...	...	...	...	...	...
90	...	...	...	...	...	...
100	...	...	...	...	...	...
110	...	...	...	...	...	...
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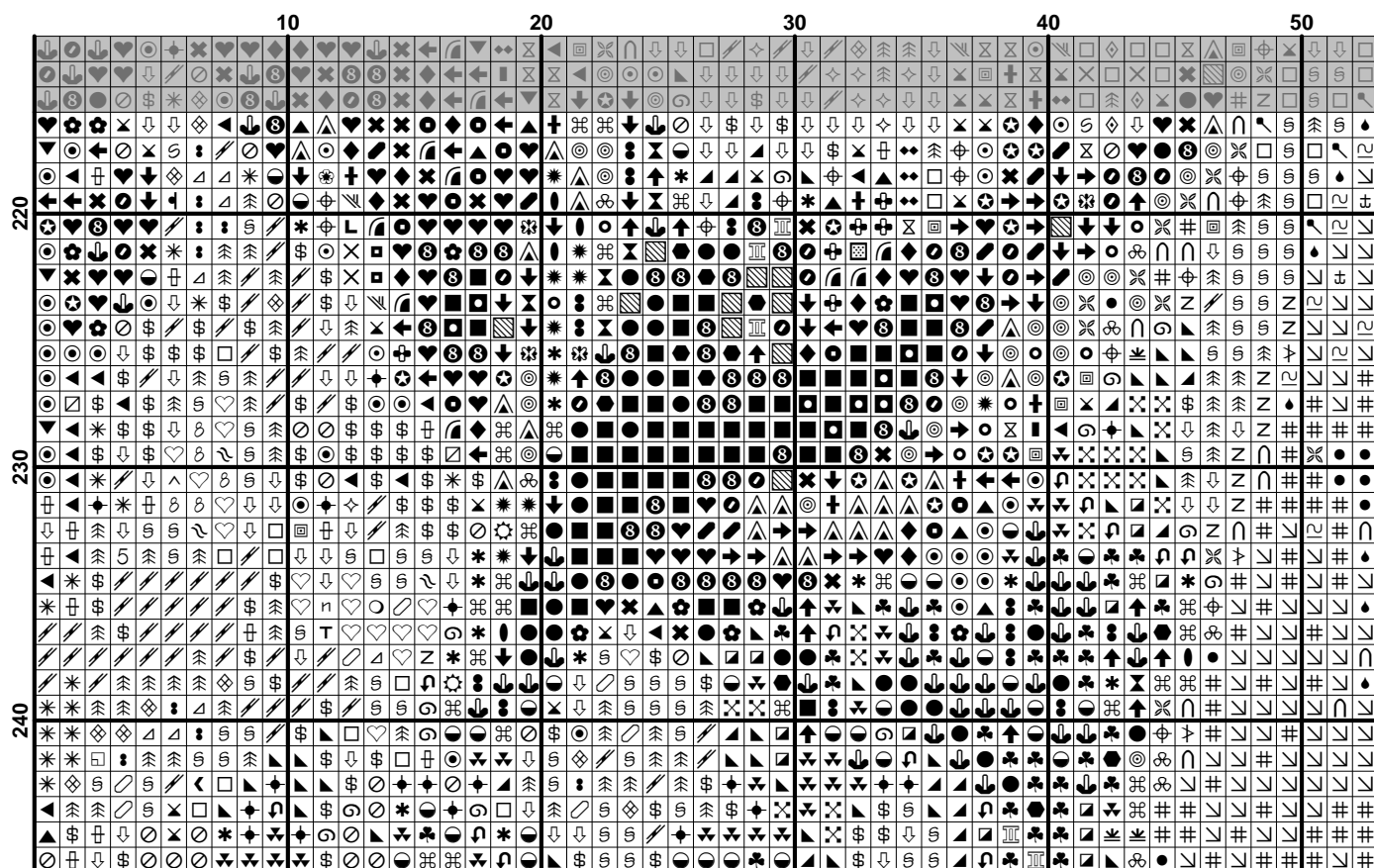
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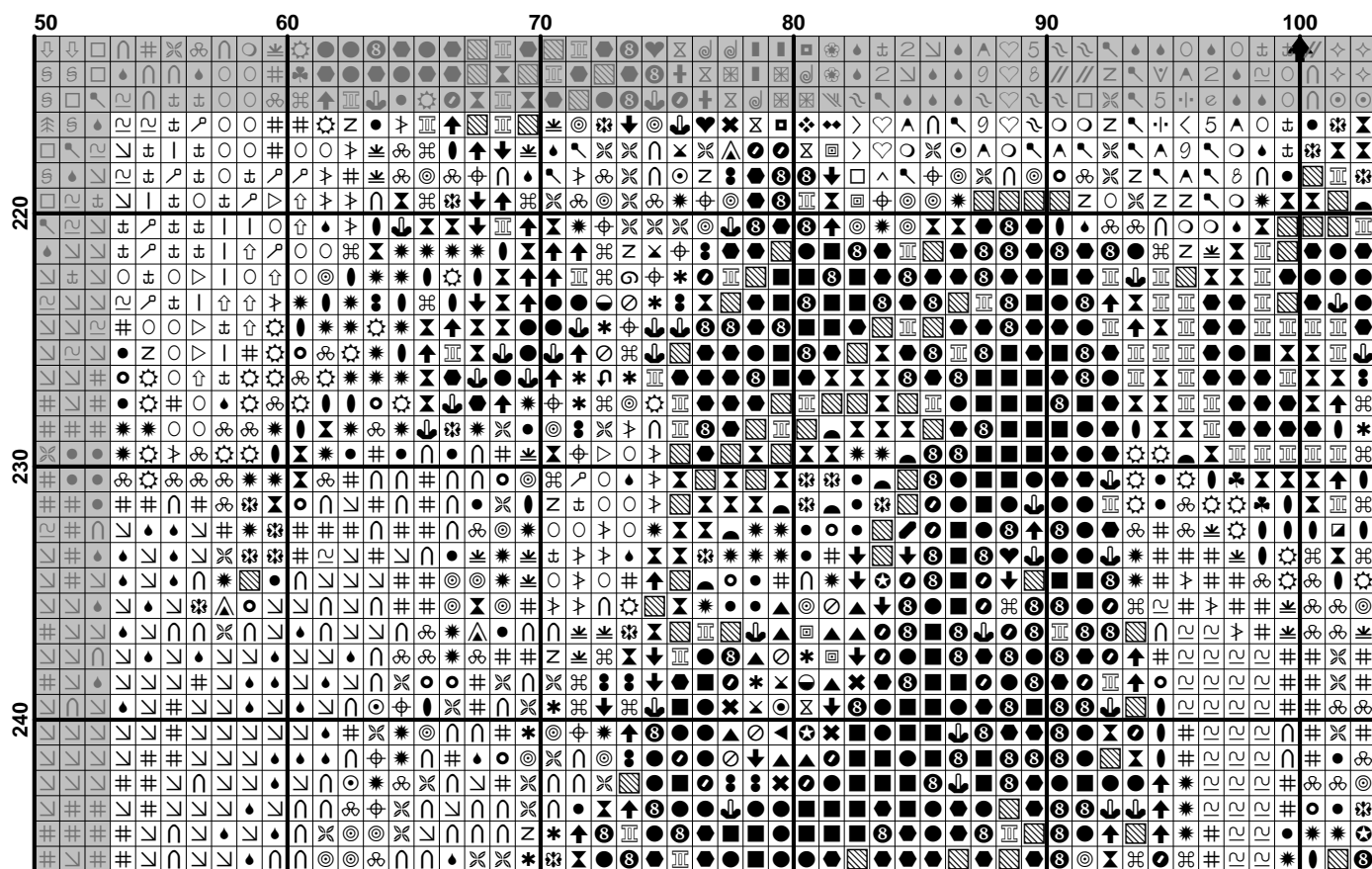
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	100	110	120	130	140	150
220						
230						
240						

