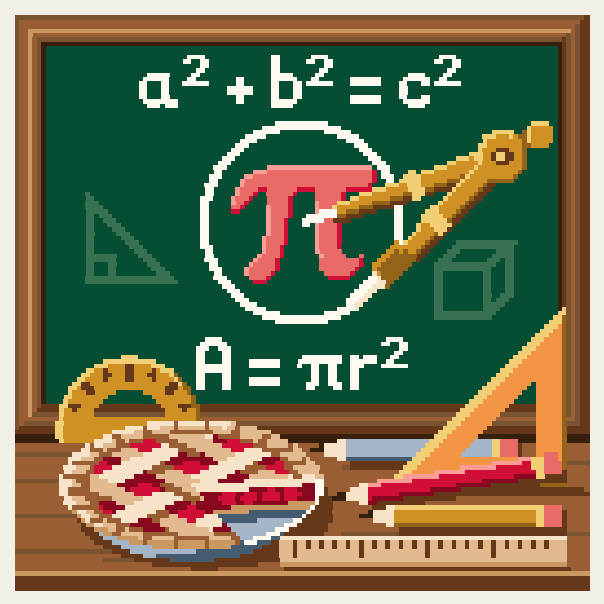
Math tools and equations with pi

Needlepoint pattern | 130 x 130 stitches | 10 x 10 in (25.4 x 25.4 cm) on 13 mesh | 20 colors



Thread key, DMC

			stitches	yards	skeins
●	500	Very Dark Blue Green	7,000	67	11
■	434	Light Brown	1,817	18	3
▲	801	Dark Coffee Brown	1,545	15	3
◆	433	Medium Brown	848	9	2
▼	712	Cream	728	7	2
★	783	Medium Topaz	596	6	1
❖	437	Light Tan	587	6	1
X	436	Tan	489	5	1
O	739	Ultra Very Light Tan	463	5	1
+	938	Ultra Dark Coffee Brown	364	4	1
=	3853	Dark Autumn Gold	362	4	1
Z	351	Coral	360	4	1
A	3821	Straw	350	4	1
V	501	Dark Blue Green	308	3	1
T	349	Dark Coral	291	3	1
N	815	Medium Garnet	223	3	1
S	780	Ultra Very Dark Topaz	186	2	1
K	932	Light Antique Blue	166	2	1
E	930	Dark Antique Blue	111	2	1
C	352	Light Coral	106	2	1

One chart square is one tent stitch over one canvas intersection.

Cut the canvas at least 14 x 14 in (35.6 x 35.6 cm) for 13 mesh: the design and 2 in (5.1 cm) of margin on every side.

16,900 stitches in all. Start from the center: a red arrow above the chart marks the center column, and one to the left of it the center row. The arrows are on the pages those lines cross.

The chart is divided evenly over 4 pages. Where chart pages join, gray squares repeat two rows or columns. The small picture at the top of each chart page shows which part it is.

Thread: six-strand floss, 7 or 8 strands in the needle on 13 mesh (counted at 8), about 36 skeins of 8.7 yd in all. Or pearl cotton size 3, 1 strand, about 25 skeins of 16.4 yd; or tapestry wool, 1 strand, about 29 skeins of 8.7 yd; or Persian wool, 2 strands, about 27 skeins of 8 yd. Wool is numbered differently: match it by eye. Needle: tapestry, size 20.

Yards and skeins are estimates: the thread a stitch takes on the front and back of 13 mesh canvas, plus 30 percent, rounded up for each color (about 171 yards in all, as the thread lies in the needle).

Thread colors are approximate screen matches to DMC numbers. Check against real thread before you buy.

Make it a pillow: also have backing fabric, an insert the size of the stitching or an inch larger, and cord or piping for the edge. The seam takes the last two rows: stitch two extra rows all round, or keep the edge plain. "How to finish a pillow" is a guide linked from this pattern's page.

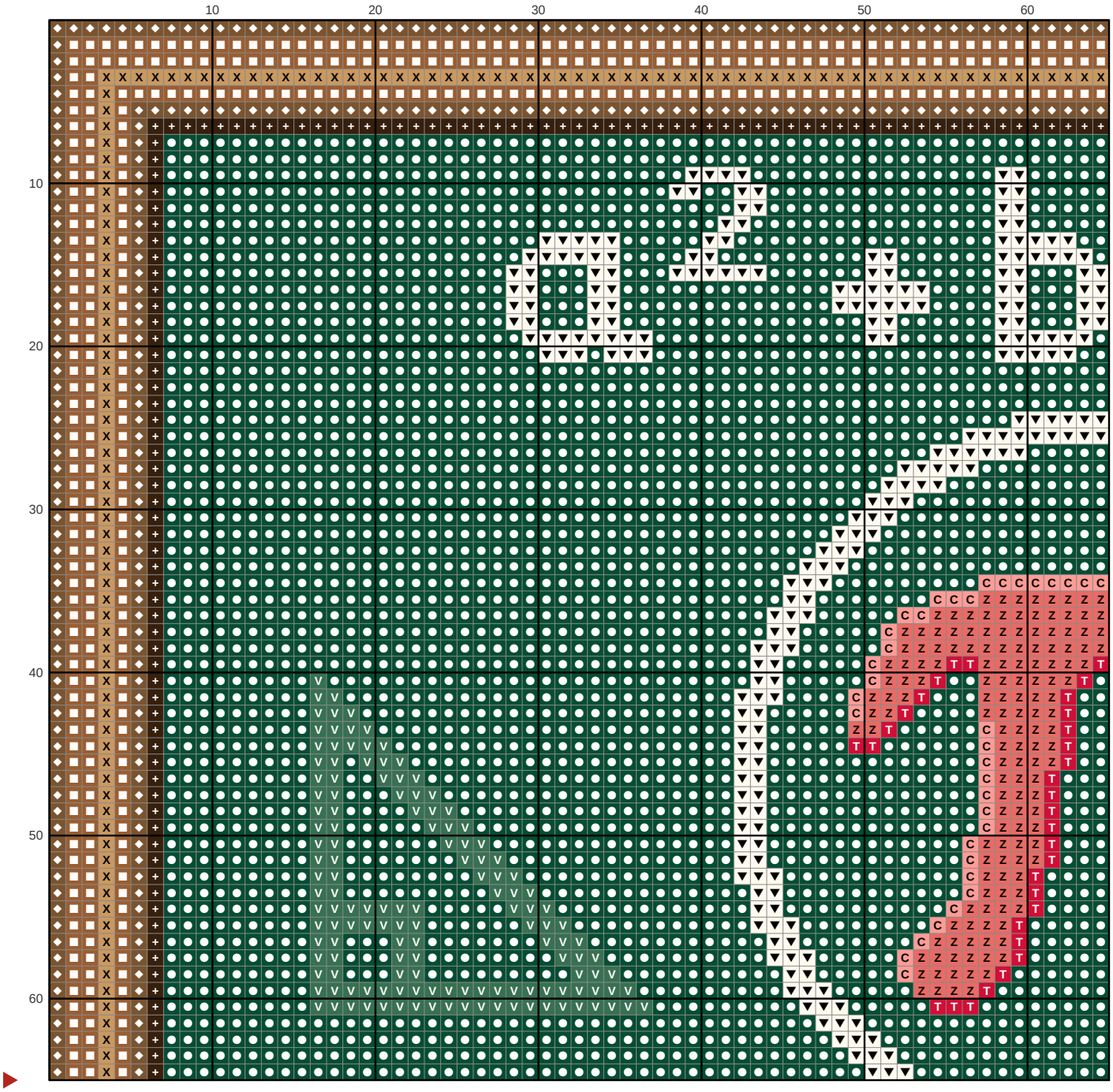
For your own stitching, gifts and handmade pieces you sell. Do not resell or share this PDF or copies of it.

Math tools and equations with pi

Needlepoint pattern

Chart 1 of 4: columns 1 to 65, rows 1 to 65

This page is the dark part of the chart



Key

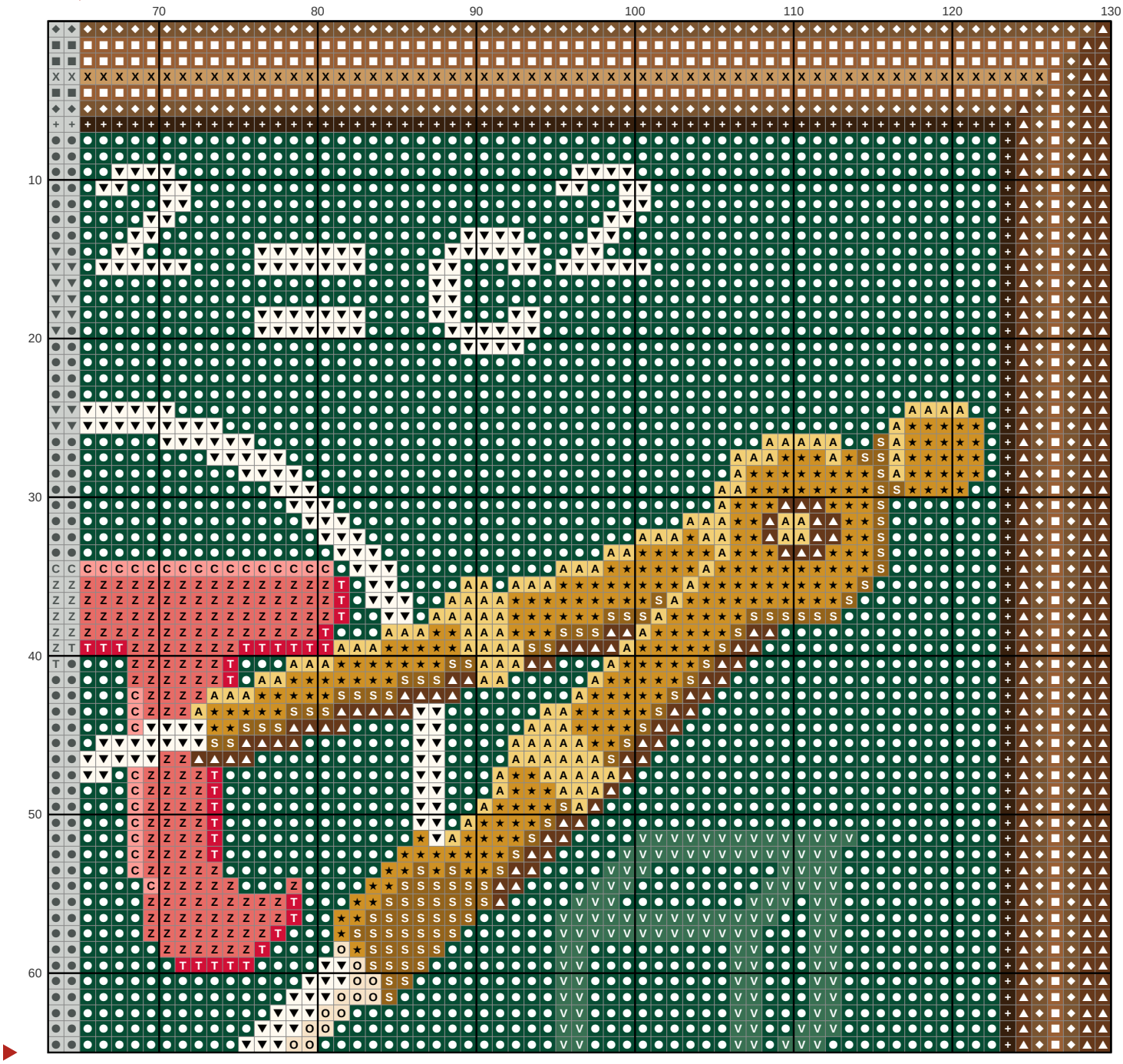
- **DMC 500** Very Dark Blue Green
- **DMC 434** Light Brown
- **DMC 433** Medium Brown
- **DMC 712** Cream
- **DMC 436** Tan
- **DMC 938** Ultra Dark Coffee Brown
- **DMC 351** Coral
- **DMC 501** Dark Blue Green
- **DMC 349** Dark Coral
- **DMC 352** Light Coral

Math tools and equations with pi

Needlepoint pattern

This page is the dark part of the chart

Chart 2 of 4: columns 66 to 130, rows 1 to 65; gray squares repeat columns 64 and 65



Key

- ● **DMC 500** Very Dark Blue Green
- ■ **DMC 434** Light Brown
- ▲ **DMC 801** Dark Coffee Brown
- ◆ **DMC 433** Medium Brown
- ▼ **DMC 712** Cream
- ★ **DMC 783** Medium Topaz
- X **DMC 436** Tan
- O **DMC 739** Ultra Very Light Tan
- \+ **DMC 938** Ultra Dark Coffee Brown
- Z **DMC 351** Coral
- A **DMC 3821** Straw
- V **DMC 501** Dark Blue Green
- T **DMC 349** Dark Coral
- S **DMC 780** Ultra Very Dark Topaz
- C **DMC 352** Light Coral

Math tools and equations with pi

Needlepoint pattern

Chart 3 of 4: columns 1 to 65, rows 66 to 130; gray squares repeat rows 64 and 65

This page is the dark part of the chart



Key

- DMC 500 Very Dark Blue Green
- DMC 434 Light Brown
- DMC 801 Dark Coffee Brown
- DMC 433 Medium Brown
- DMC 712 Cream
- DMC 783 Medium Topaz
- DMC 437 Light Tan
- DMC 436 Tan
- DMC 739 Ultra Very Light Tan
- DMC 938 Ultra Dark Coffee Brown
- DMC 3821 Straw
- DMC 349 Dark Coral
- DMC 815 Medium Garnet
- DMC 780 Ultra Very Dark Topaz
- DMC 932 Light Antique Blue
- DMC 930 Dark Antique Blue

Math tools and equations with pi

Needlepoint pattern

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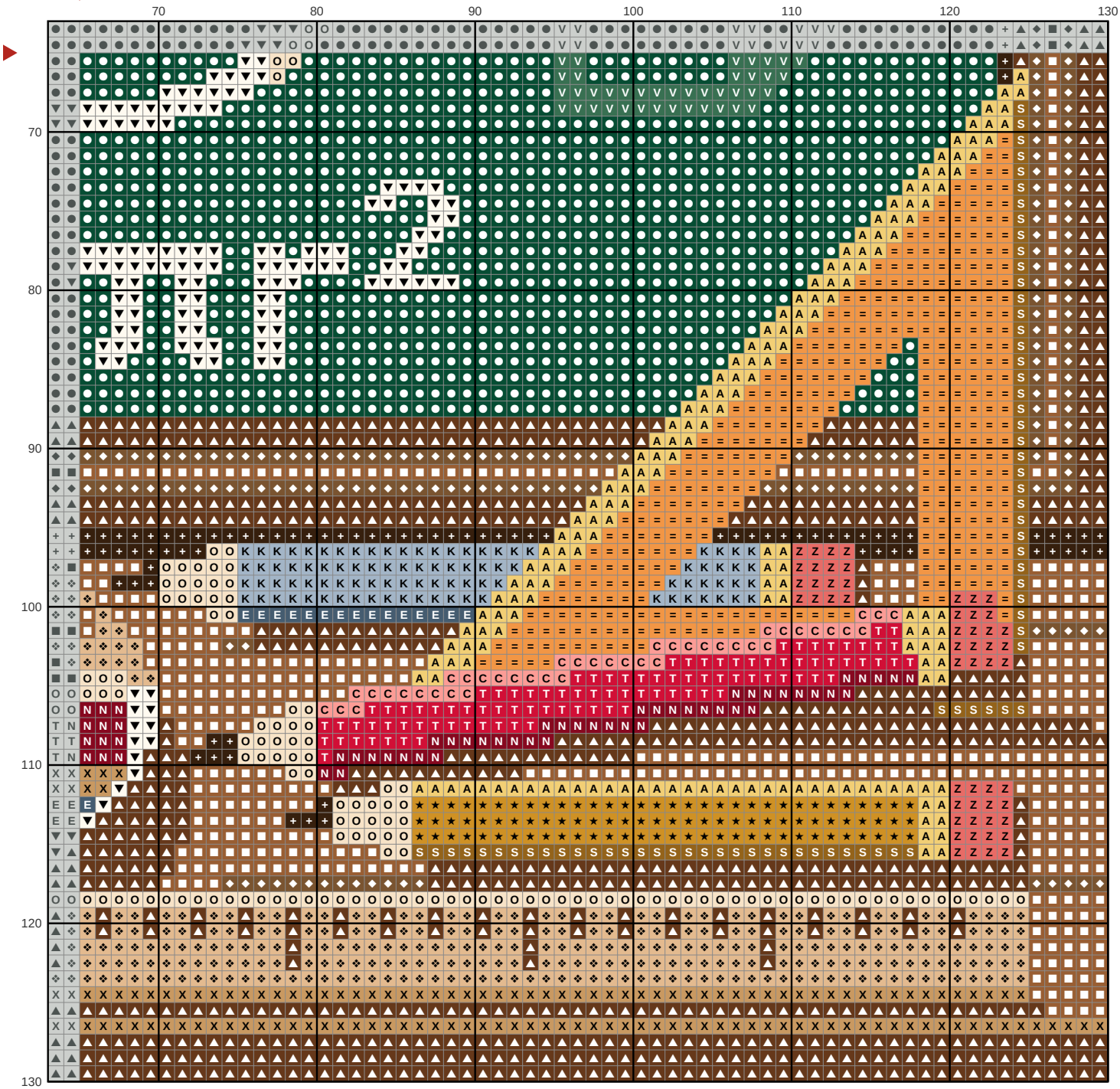
Chart 4 of 4: columns 66 to 130, rows 66 to 130; gray squares repeat columns 64 and 65 and rows 64 and 65



Key

- **DMC 500** Very Dark Blue Green
- **DMC 434** Light Brown
- **DMC 801** Dark Coffee Brown
- **DMC 433** Medium Brown
- **DMC 712** Cream
- **DMC 783** Medium Topaz
- **DMC 437** Light Tan
- **DMC 436** Tan
- **DMC 739** Ultra Very Light Tan
- **DMC 938** Ultra Dark Coffee Brown
- **DMC 3853** Dark Autumn Gold
- **DMC 351** Coral
- **DMC 3821** Straw
- **DMC 501** Dark Blue Green
- **DMC 349** Dark Coral
- **DMC 815** Medium Garnet
- **DMC 780** Ultra Very Dark Topaz
- **DMC 932** Light Antique Blue
- **DMC 930** Dark Antique Blue
- **DMC 352** Light Coral