Joy and star

Knitting, worked flat pattern



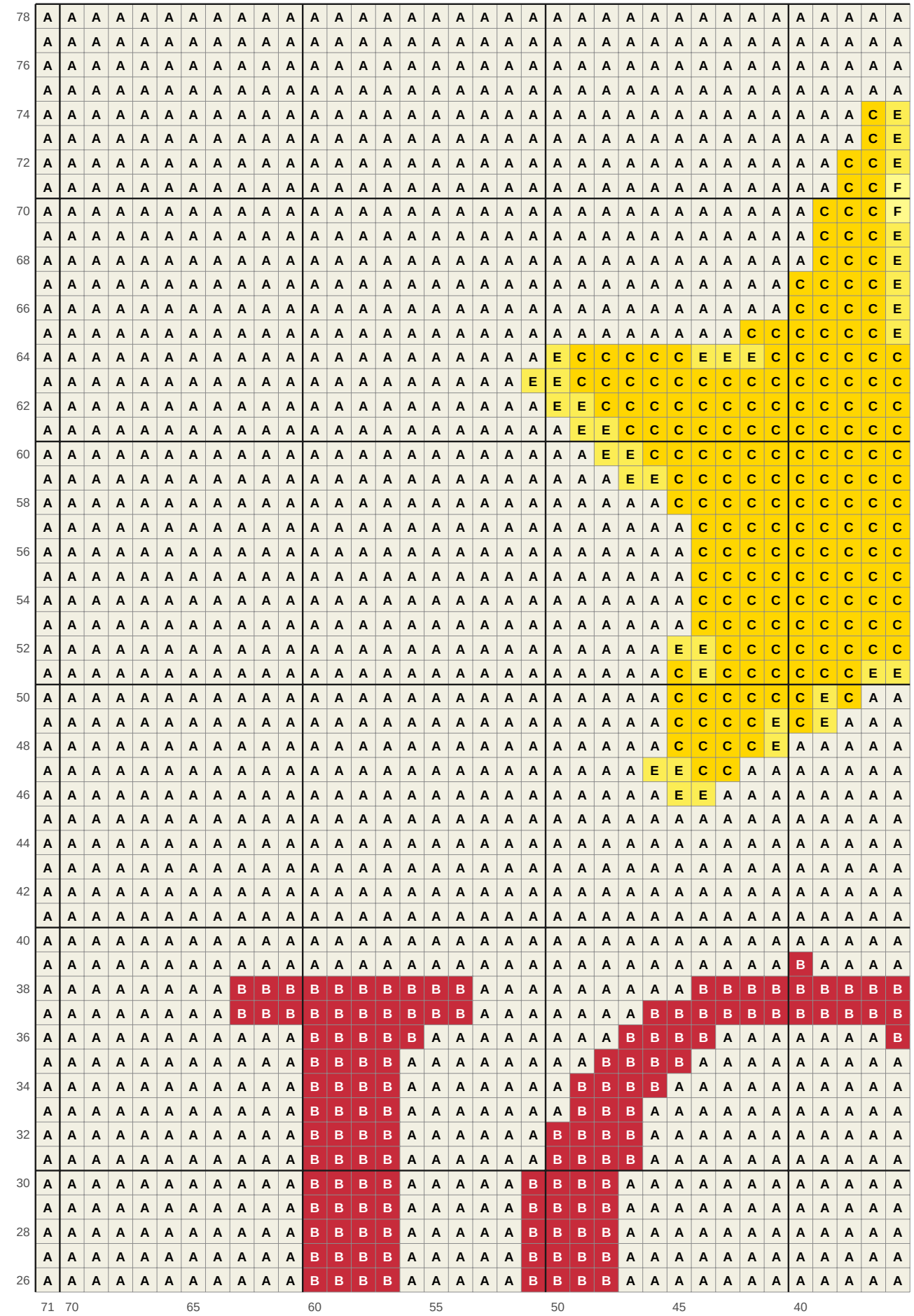
Size	71 stitches wide x 78 rows high, 5,538 stitches in all
Finished	about 15.8 x 12.8 in (40.1 x 32.6 cm) at the gauge below
Gauge	about 18 stitches and 24.3 rows to 4 in, usual for worsted yarn
Rows	78 rows, worked from the bottom of the graph up
Technique	intarsia: up to 4 colors in a row, 89 separate color areas, each on its own bobbin

Yarn

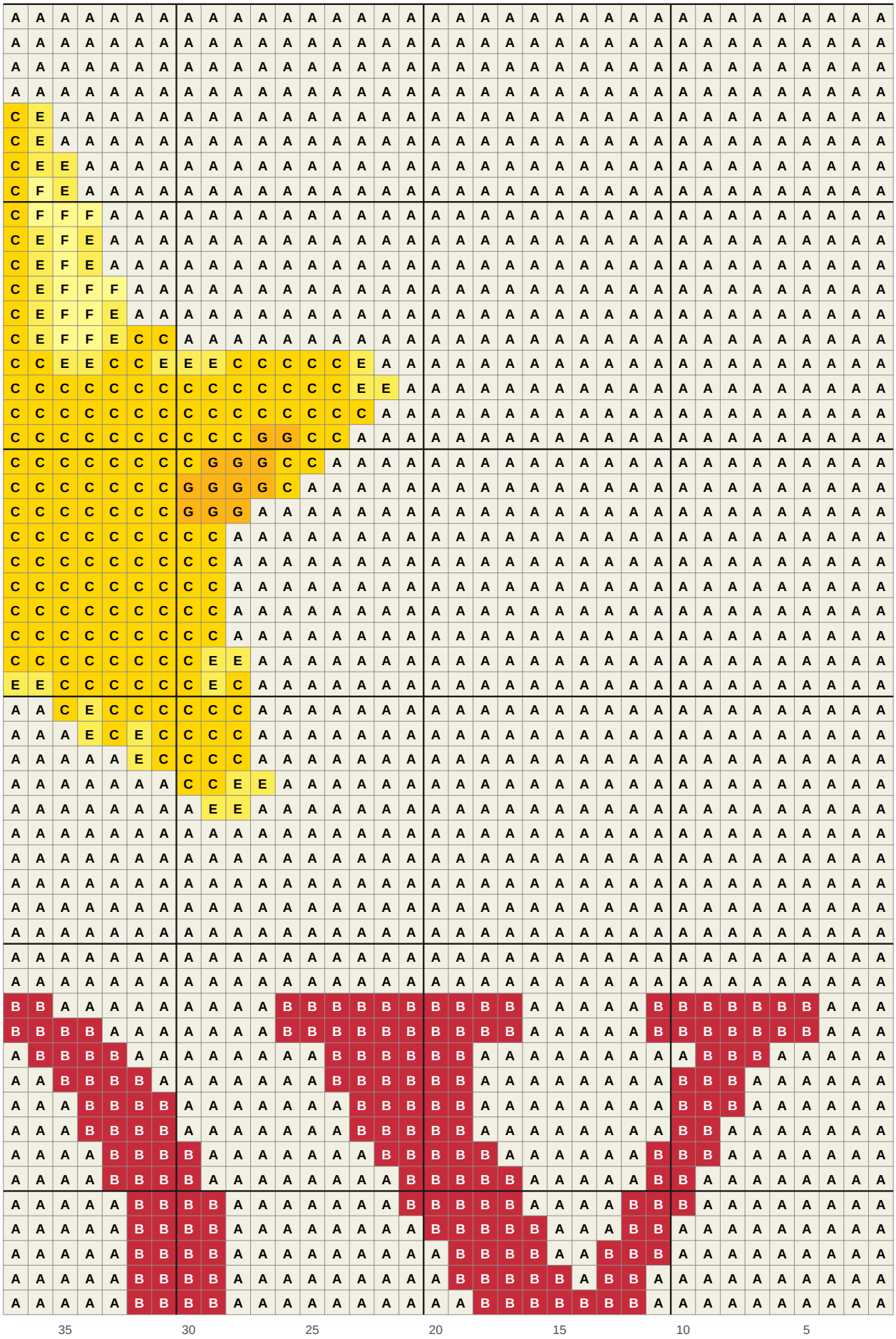
	Color	Stitches	Yards (+15%)
A	Background (cream)	4,563	117
B	Red	510	14
C	Lemon Dark	317	9
D	Green	63	2
E	Lemon	60	2
F	Lemon Light	13	1
G	Canary Deep	12	1

Yarn amounts are estimates from the gauge. Make a swatch, see how much yarn it takes, and change the gauge in the tool to match before you buy. Buy each color from one dye lot.

Graph, part 1 of 6: columns 1-36, rows 26-78 from the bottom



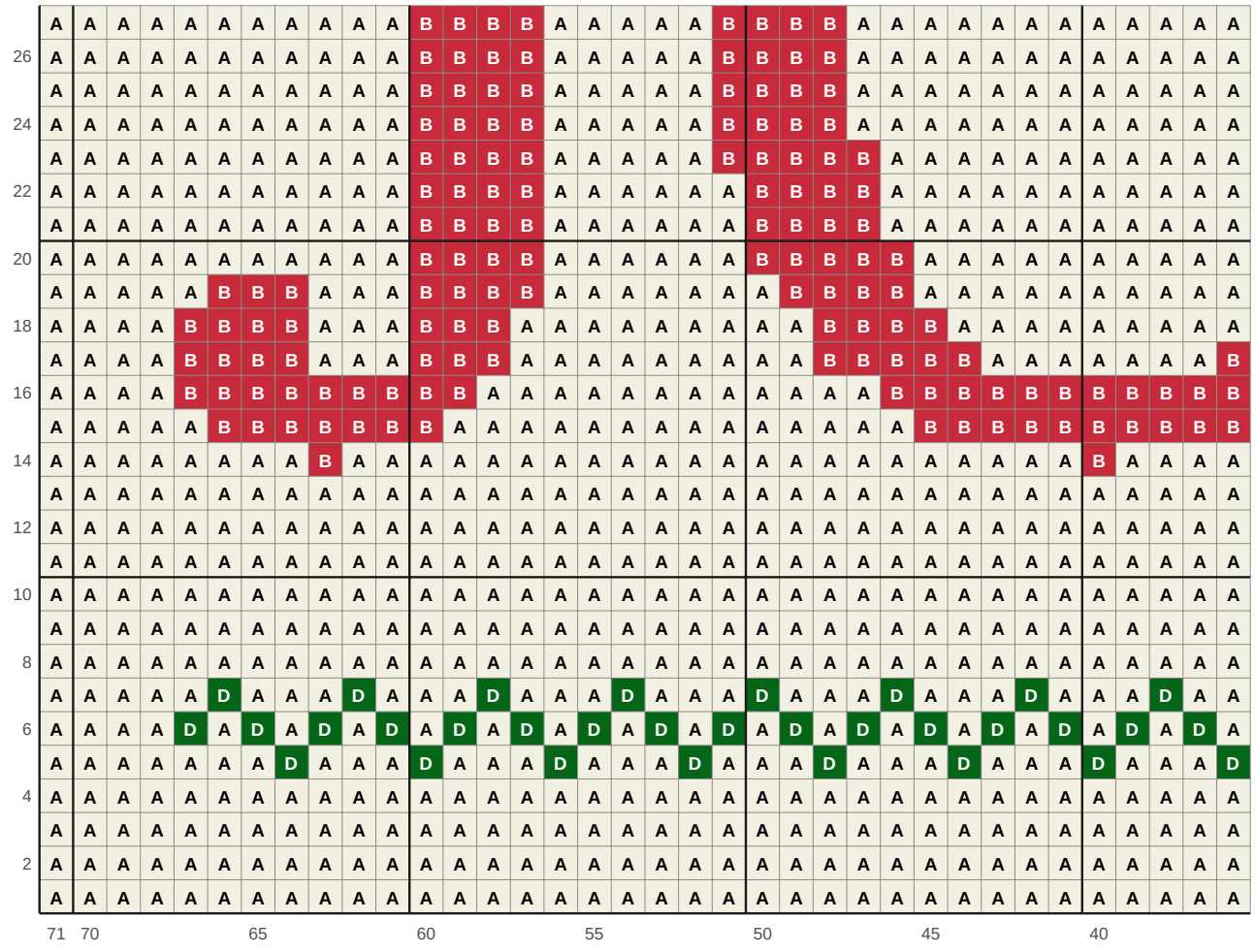
Graph, part 2 of 6: columns 35-70, rows 26-78 from the bottom



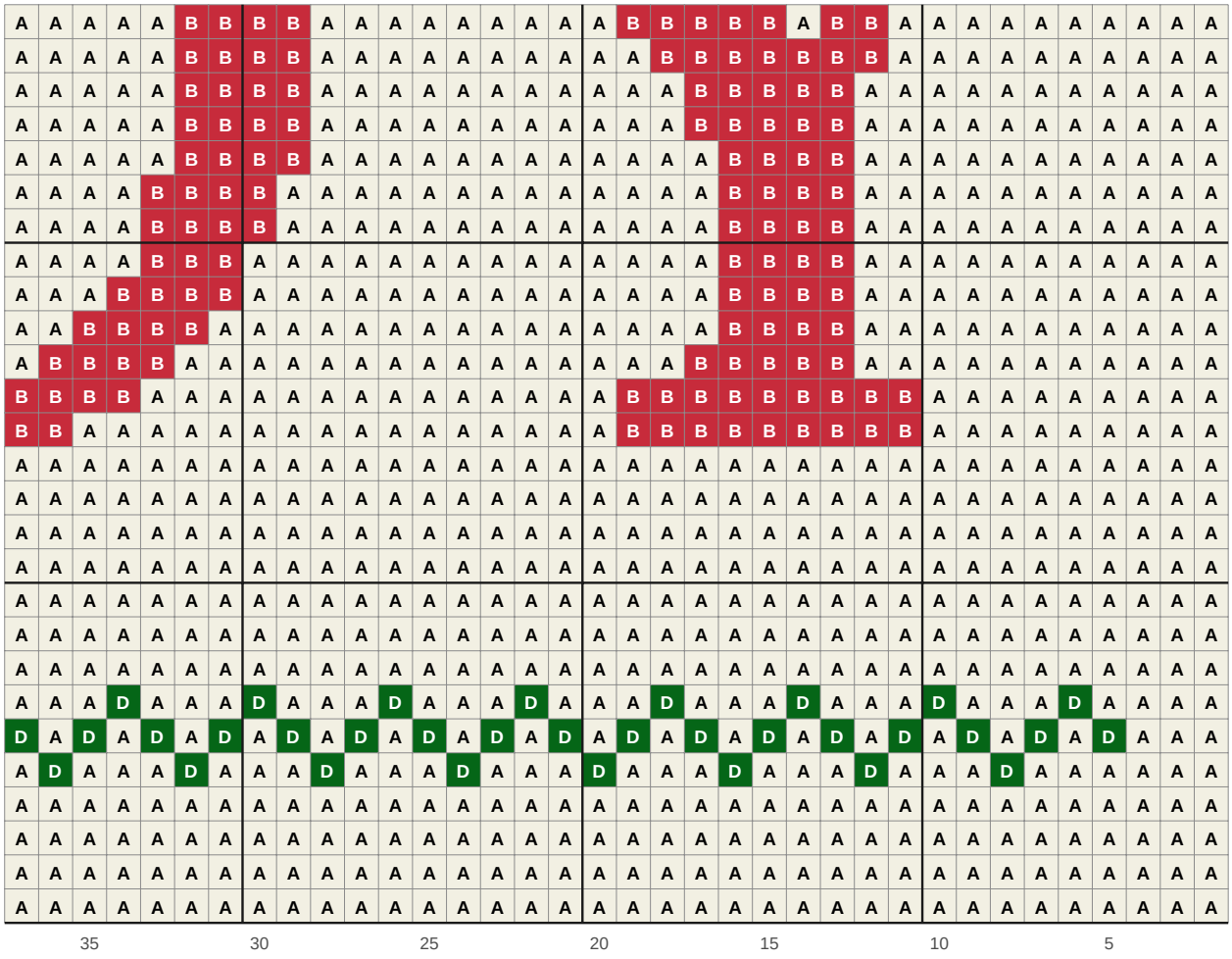
Graph, part 3 of 6: columns 69-71, rows 26-78 from the bottom

A	A	A	
A	A	A	77
A	A	A	
A	A	A	75
A	A	A	
A	A	A	73
A	A	A	
A	A	A	71
A	A	A	
A	A	A	69
A	A	A	
A	A	A	67
A	A	A	
A	A	A	65
A	A	A	
A	A	A	63
A	A	A	
A	A	A	61
A	A	A	
A	A	A	59
A	A	A	
A	A	A	57
A	A	A	
A	A	A	55
A	A	A	
A	A	A	53
A	A	A	
A	A	A	51
A	A	A	
A	A	A	49
A	A	A	
A	A	A	47
A	A	A	
A	A	A	45
A	A	A	
A	A	A	43
A	A	A	
A	A	A	41
A	A	A	
A	A	A	39
A	A	A	
A	A	A	37
A	A	A	
A	A	A	35
A	A	A	
A	A	A	33
A	A	A	
A	A	A	31
A	A	A	
A	A	A	29
A	A	A	
A	A	A	27
A	A	A	

Graph, part 4 of 6: columns 1-36, rows 1-27 from the bottom



Graph, part 5 of 6: columns 35-70, rows 1-27 from the bottom



Graph, part 6 of 6: columns 69-71, rows 1-27 from the bottom

A	A	A	27
A	A	A	
A	A	A	25
A	A	A	
A	A	A	23
A	A	A	
A	A	A	21
A	A	A	
A	A	A	19
A	A	A	
A	A	A	17
A	A	A	
A	A	A	15
A	A	A	
A	A	A	13
A	A	A	
A	A	A	11
A	A	A	
A	A	A	9
A	A	A	
A	A	A	7
A	A	A	
A	A	A	5
A	A	A	
A	A	A	3
A	A	A	
A	A	A	1

Written instructions

Written rows, from the bottom of the graph up, each in the order you work the stitches.

- [ ] Row 1 (RS, right to left, 71 sts): 71 A
- [ ] Row 2 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 3 (RS, right to left, 71 sts): 71 A
- [ ] Row 4 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 5 (RS, right to left, 71 sts): 7 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 7 A
- [ ] Row 6 (WS, purl left to right, 71 sts): 4 A, 1 D, 1 A, 1 D, 4 A
- [ ] Row 7 (RS, right to left, 71 sts): 5 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 3 A, 1 D, 5 A
- [ ] Row 8 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 9 (RS, right to left, 71 sts): 71 A
- [ ] Row 10 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 11 (RS, right to left, 71 sts): 71 A
- [ ] Row 12 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 13 (RS, right to left, 71 sts): 71 A
- [ ] Row 14 (WS, purl left to right, 71 sts): 8 A, 1 B, 22 A, 1 B, 39 A
- [ ] Row 15 (RS, right to left, 71 sts): 10 A, 9 B, 16 A, 10 B, 14 A, 7 B, 5 A
- [ ] Row 16 (WS, purl left to right, 71 sts): 4 A, 9 B, 12 A, 13 B, 14 A, 9 B, 10 A
- [ ] Row 17 (RS, right to left, 71 sts): 12 A, 5 B, 15 A, 4 B, 7 A, 5 B, 9 A, 3 B, 3 A, 4 B, 4 A
- [ ] Row 18 (WS, purl left to right, 71 sts): 4 A, 4 B, 3 A, 3 B, 9 A, 4 B, 9 A, 4 B, 15 A, 4 B, 12 A
- [ ] Row 19 (RS, right to left, 71 sts): 12 A, 4 B, 14 A, 4 B, 11 A, 4 B, 7 A, 4 B, 3 A, 3 B, 5 A
- [ ] Row 20 (WS, purl left to right, 71 sts): 11 A, 4 B, 6 A, 5 B, 12 A, 3 B, 14 A, 4 B, 12 A
- [ ] Row 21 (RS, right to left, 71 sts): 12 A, 4 B, 13 A, 4 B, 13 A, 4 B, 6 A, 4 B, 11 A
- [ ] Row 22 (WS, purl left to right, 71 sts): 11 A, 4 B, 6 A, 4 B, 13 A, 4 B, 13 A, 4 B, 12 A
- [ ] Row 23 (RS, right to left, 71 sts): 12 A, 4 B, 12 A, 4 B, 14 A, 5 B, 5 A, 4 B, 11 A
- [ ] Row 24 (WS, purl left to right, 71 sts): 11 A, 4 B, 5 A, 4 B, 15 A, 4 B, 11 A, 5 B, 12 A
- [ ] Row 25 (RS, right to left, 71 sts): 12 A, 5 B, 11 A, 4 B, 15 A, 4 B, 5 A, 4 B, 11 A
- [ ] Row 26 (WS, purl left to right, 71 sts): 11 A, 4 B, 5 A, 4 B, 15 A, 4 B, 10 A, 7 B, 11 A
- [ ] Row 27 (RS, right to left, 71 sts): 11 A, 2 B, 1 A, 5 B, 9 A, 4 B, 15 A, 4 B, 5 A, 4 B, 11 A
- [ ] Row 28 (WS, purl left to right, 71 sts): 11 A, 4 B, 5 A, 4 B, 15 A, 4 B, 9 A, 4 B, 2 A, 3 B, 10 A
- [ ] Row 29 (RS, right to left, 71 sts): 10 A, 2 B, 3 A, 5 B, 8 A, 4 B, 15 A, 4 B, 5 A, 4 B, 11 A
- [ ] Row 30 (WS, purl left to right, 71 sts): 11 A, 4 B, 5 A, 4 B, 15 A, 4 B, 7 A, 5 B, 4 A, 3 B, 9 A
- [ ] Row 31 (RS, right to left, 71 sts): 9 A, 2 B, 5 A, 5 B, 8 A, 4 B, 13 A, 4 B, 6 A, 4 B, 11 A
- [ ] Row 32 (WS, purl left to right, 71 sts): 11 A, 4 B, 6 A, 4 B, 13 A, 4 B, 7 A, 5 B, 6 A, 3 B, 8 A
- [ ] Row 33 (RS, right to left, 71 sts): 8 A, 2 B, 8 A, 5 B, 7 A, 4 B, 12 A, 3 B, 7 A, 4 B, 11 A
- [ ] Row 34 (WS, purl left to right, 71 sts): 11 A, 4 B, 7 A, 4 B, 11 A, 4 B, 7 A, 5 B, 8 A, 3 B, 7 A
- [ ] Row 35 (RS, right to left, 71 sts): 7 A, 3 B, 8 A, 6 B, 7 A, 4 B, 9 A, 4 B, 8 A, 4 B, 11 A
- [ ] Row 36 (WS, purl left to right, 71 sts): 11 A, 5 B, 8 A, 4 B, 7 A, 4 B, 8 A, 6 B, 9 A, 3 B, 6 A
- [ ] Row 37 (RS, right to left, 71 sts): 4 A, 7 B, 5 A, 10 B, 7 A, 13 B, 7 A, 10 B, 8 A
- [ ] Row 38 (WS, purl left to right, 71 sts): 8 A, 10 B, 9 A, 9 B, 9 A, 10 B, 5 A, 7 B, 4 A
- [ ] Row 39 (RS, right to left, 71 sts): 39 A, 1 B, 31 A
- [ ] Row 40 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 41 (RS, right to left, 71 sts): 71 A
- [ ] Row 42 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 43 (RS, right to left, 71 sts): 71 A
- [ ] Row 44 (WS, purl left to right, 71 sts): 71 A

Written instructions

Written rows, from the bottom of the graph up, each in the order you work the stitches.

- [ ] Row 45 (RS, right to left, 71 sts): 71 A
- [ ] Row 46 (WS, purl left to right, 71 sts): 26 A, 2 E, 14 A, 2 E, 27 A
- [ ] Row 47 (RS, right to left, 71 sts): 26 A, 2 E, 2 C, 12 A, 2 C, 2 E, 25 A
- [ ] Row 48 (WS, purl left to right, 71 sts): 26 A, 4 C, 1 E, 8 A, 1 E, 4 C, 27 A
- [ ] Row 49 (RS, right to left, 71 sts): 27 A, 4 C, 1 E, 1 C, 1 E, 4 A, 1 E, 1 C, 1 E, 4 C, 26 A
- [ ] Row 50 (WS, purl left to right, 71 sts): 26 A, 6 C, 1 E, 1 C, 2 A, 1 C, 1 E, 6 C, 27 A
- [ ] Row 51 (RS, right to left, 71 sts): 27 A, 1 C, 1 E, 6 C, 2 E, 6 C, 1 E, 1 C, 26 A
- [ ] Row 52 (WS, purl left to right, 71 sts): 26 A, 2 E, 14 C, 2 E, 27 A
- [ ] Row 53 (RS, right to left, 71 sts): 28 A, 16 C, 27 A
- [ ] Row 54 (WS, purl left to right, 71 sts): 27 A, 16 C, 28 A
- [ ] Row 55 (RS, right to left, 71 sts): 28 A, 16 C, 27 A
- [ ] Row 56 (WS, purl left to right, 71 sts): 27 A, 16 C, 28 A
- [ ] Row 57 (RS, right to left, 71 sts): 28 A, 16 C, 27 A
- [ ] Row 58 (WS, purl left to right, 71 sts): 26 A, 15 C, 3 G, 27 A
- [ ] Row 59 (RS, right to left, 71 sts): 25 A, 1 C, 4 G, 15 C, 2 E, 24 A
- [ ] Row 60 (WS, purl left to right, 71 sts): 23 A, 2 E, 17 C, 3 G, 2 C, 24 A
- [ ] Row 61 (RS, right to left, 71 sts): 23 A, 2 C, 2 G, 20 C, 2 E, 22 A
- [ ] Row 62 (WS, purl left to right, 71 sts): 21 A, 2 E, 26 C, 22 A
- [ ] Row 63 (RS, right to left, 71 sts): 21 A, 2 E, 26 C, 2 E, 20 A
- [ ] Row 64 (WS, purl left to right, 71 sts): 21 A, 1 E, 5 C, 3 E, 6 C, 2 E, 2 C, 3 E, 5 C, 1 E, 22 A
- [ ] Row 65 (RS, right to left, 71 sts): 30 A, 2 C, 1 E, 2 F, 1 E, 6 C, 29 A
- [ ] Row 66 (WS, purl left to right, 71 sts): 31 A, 4 C, 1 E, 2 F, 1 E, 32 A
- [ ] Row 67 (RS, right to left, 71 sts): 32 A, 3 F, 1 E, 4 C, 31 A
- [ ] Row 68 (WS, purl left to right, 71 sts): 32 A, 3 C, 1 E, 1 F, 1 E, 33 A
- [ ] Row 69 (RS, right to left, 71 sts): 33 A, 1 E, 1 F, 1 E, 3 C, 32 A
- [ ] Row 70 (WS, purl left to right, 71 sts): 32 A, 3 C, 3 F, 33 A
- [ ] Row 71 (RS, right to left, 71 sts): 34 A, 1 E, 1 F, 2 C, 33 A
- [ ] Row 72 (WS, purl left to right, 71 sts): 33 A, 2 C, 2 E, 34 A
- [ ] Row 73 (RS, right to left, 71 sts): 35 A, 1 E, 1 C, 34 A
- [ ] Row 74 (WS, purl left to right, 71 sts): 34 A, 1 C, 1 E, 35 A
- [ ] Row 75 (RS, right to left, 71 sts): 71 A
- [ ] Row 76 (WS, purl left to right, 71 sts): 71 A
- [ ] Row 77 (RS, right to left, 71 sts): 71 A
- [ ] Row 78 (WS, purl left to right, 71 sts): 71 A