

Table 59

### BIM 20x20 made with Axial Products diagonally symmetrical with the Inner Grid (IG) cell

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1•1 = 1	1•3 = 3	2•4 = 8	3•5 = 15	4•6 = 24	5•7 = 35	6•8 = 48	7•9 = 63	8•10 = 80	9•11 = 99	10•12 = 120	11•13 = 143	12•14 = 168	13•15 = 195	14•16 = 224	15•17 = 255	16•18 = 288	17•19 = 323	18•20 = 360	19•21 = 399
2	1•3 = 3	2•2 = 4	1•5 = 5	2•6 = 12	3•7 = 21	4•8 = 32	5•9 = 45	6•10 = 60	7•11 = 77	8•12 = 96	9•13 = 117	10•14 = 140	11•15 = 165	12•16 = 192	13•17 = 221	14•18 = 252	15•19 = 285	16•20 = 320	17•21 = 357	18•22 = 396
3	2•4 = 8	1•5 = 5	3•3 = 9	1•7 = 7	2•8 = 16	3•9 = 27	4•10 = 40	5•11 = 55	6•12 = 72	7•13 = 91	8•14 = 112	9•15 = 135	10•16 = 160	11•17 = 187	12•18 = 216	13•19 = 247	14•20 = 280	15•21 = 315	16•22 = 352	17•23 = 391
4	3•5 = 15	2•6 = 12	1•7 = 7	4•4 = 16	1•9 = 9	2•10 = 20	3•11 = 33	4•12 = 48	5•13 = 65	6•14 = 84	7•15 = 105	8•16 = 128	9•17 = 153	10•18 = 180	11•19 = 209	12•20 = 240	13•21 = 273	14•22 = 308	15•23 = 345	16•24 = 384
5	4•6 = 24	3•7 = 21	2•8 = 16	1•9 = 9	5•5 = 25	1•11 = 11	2•12 = 24	3•13 = 39	4•14 = 56	5•15 = 75	6•16 = 96	7•17 = 119	8•18 = 144	9•19 = 171	10•20 = 200	11•21 = 231	12•22 = 264	13•23 = 299	14•24 = 336	15•25 = 375
6	5•7 = 35	4•8 = 32	3•9 = 27	2•10 = 20	1•11 = 11	6•6 = 36	1•13 = 13	2•14 = 28	3•15 = 45	4•16 = 64	5•17 = 85	6•18 = 108	7•19 = 133	8•20 = 160	9•21 = 189	10•22 = 220	11•23 = 253	12•24 = 288	13•25 = 325	14•26 = 364
7	6•8 = 48	5•9 = 45	4•10 = 40	3•11 = 33	2•12 = 24	1•13 = 13	7•7 = 49	1•15 = 15	2•16 = 32	3•17 = 51	4•18 = 72	5•19 = 95	6•20 = 120	7•21 = 147	8•22 = 176	9•23 = 207	10•24 = 240	11•25 = 275	12•26 = 312	13•27 = 351
8	7•9 = 63	6•10 = 60	5•11 = 55	4•12 = 48	3•13 = 39	2•14 = 28	1•15 = 15	8•8 = 64	1•17 = 17	2•18 = 36	3•19 = 57	4•20 = 80	5•21 = 105	6•22 = 132	7•23 = 161	8•24 = 192	9•25 = 225	10•26 = 260	11•27 = 297	12•28 = 336
9	8•10 = 80	7•11 = 77	6•12 = 72	5•13 = 65	4•14 = 56	3•15 = 45	2•16 = 32	1•17 = 17	9•9 = 81	1•19 = 19	2•20 = 40	3•21 = 63	4•22 = 88	5•23 = 115	6•24 = 144	7•25 = 175	8•26 = 208	9•27 = 243	10•28 = 280	11•29 = 319
10	9•11 = 99	8•12 = 96	7•13 = 91	6•14 = 84	5•15 = 75	4•16 = 64	3•17 = 51	2•18 = 36	1•19 = 19	10•10 = 100	1•21 = 21	2•22 = 44	3•23 = 69	4•24 = 96	5•25 = 125	6•26 = 156	7•27 = 189	8•28 = 224	9•29 = 261	10•30 = 300
11	10•12 = 120	9•13 = 117	8•14 = 112	7•15 = 105	6•16 = 96	5•17 = 85	4•18 = 72	3•19 = 57	2•20 = 40	1•21 = 21	11•11 = 121	1•23 = 23	2•24 = 48	3•25 = 75	4•26 = 104	5•27 = 135	6•28 = 168	7•29 = 203	8•30 = 240	9•31 = 279
12	11•13 = 143	10•14 = 140	9•15 = 135	8•16 = 128	7•17 = 119	6•18 = 108	5•19 = 95	4•20 = 80	3•21 = 63	2•22 = 44	1•23 = 23	12•12 = 144	1•25 = 25	2•26 = 52	3•27 = 81	4•28 = 112	5•29 = 145	6•30 = 180	7•31 = 217	8•32 = 256
13	12•14 = 168	11•15 = 165	10•16 = 160	9•17 = 153	8•18 = 144	7•19 = 133	6•20 = 120	5•21 = 105	4•22 = 88	3•23 = 69	2•24 = 48	1•25 = 25	13•13 = 169	1•27 = 27	2•28 = 56	3•29 = 87	4•30 = 120	5•31 = 155	6•32 = 192	7•33 = 231
14	13•15 = 195	12•16 = 192	11•17 = 187	10•18 = 180	9•19 = 171	8•20 = 160	7•21 = 147	6•22 = 132	5•23 = 115	4•24 = 96	3•25 = 75	2•26 = 52	1•27 = 27	14•14 = 196	1•29 = 29	2•30 = 60	3•31 = 93	4•32 = 128	5•33 = 165	6•34 = 204
15	14•16 = 224	13•17 = 221	12•18 = 216	11•19 = 209	10•20 = 200	9•21 = 189	8•22 = 176	7•23 = 161	6•24 = 144	5•25 = 125	4•26 = 104	3•27 = 81	2•28 = 56	1•29 = 29	15•15 = 225	1•31 = 31	2•32 = 64	3•33 = 99	4•34 = 136	5•35 = 175
16	15•17 = 255	14•18 = 252	13•19 = 247	12•20 = 240	11•21 = 231	10•22 = 220	9•23 = 207	8•24 = 192	7•25 = 175	6•26 = 156	5•27 = 135	4•28 = 112	3•29 = 87	2•30 = 60	1•31 = 31	16•16 = 256	1•33 = 33	2•34 = 68	3•35 = 105	4•36 = 144
17	16•18 = 288	15•19 = 285	14•20 = 280	13•21 = 273	12•22 = 264	11•23 = 253	10•24 = 240	9•25 = 225	8•26 = 208	7•27 = 189	6•28 = 168	5•29 = 145	4•30 = 120	3•31 = 93	2•32 = 64	1•33 = 33	17•17 = 289	1•35 = 35	2•36 = 72	3•37 = 111
18	17•19 = 323	16•20 = 320	15•21 = 315	14•22 = 308	13•23 = 299	12•24 = 288	11•25 = 275	10•26 = 260	9•27 = 243	8•28 = 224	7•29 = 203	6•30 = 180	5•31 = 155	4•32 = 128	3•33 = 99	2•34 = 68	1•35 = 35	18•18 = 324	1•37 = 37	2•38 = 76
19	18•20 = 360	17•21 = 357	16•22 = 352	15•23 = 345	14•24 = 336	13•25 = 325	12•26 = 312	11•27 = 297	10•28 = 280	9•29 = 261	8•30 = 240	7•31 = 217	6•32 = 192	5•33 = 165	4•34 = 136	3•35 = 105	2•36 = 72	1•37 = 37	19•19 = 361	1•39 = 39
20	19•21 = 399	18•22 = 396	17•23 = 391	16•24 = 384	15•25 = 375	14•26 = 364	13•27 = 351	12•28 = 336	11•29 = 319	10•30 = 300	9•31 = 279	8•32 = 256	7•33 = 231	6•34 = 204	5•35 = 175	4•36 = 144	3•37 = 111	2•38 = 76	1•39 = 39	20•20 = 400

**Table 59** The IG cell value is made up from the product of two Axial values that form an **Isosceles Right-triangle** — the apex being the IG value. See BLUE triangles above. The BLUE ARROWS show that the 1st, smaller Axis value INCREASES Top—>Bottom in any Column, while INCREASING Right to Left across any ROW. The RED ARROWS show that the 2nd, larger Axis value INCREASE Top —> Bottom in any Column and any Diagonal (as shown), though increasing by 2 in the latter. The RED ARROW at the bottom shows that the 2nd Axis value INCREASES Left —> Right across Any Row. The BLUE ARROW Diagonal perpendicular to the main PD, shows that the 1st Axis value INCREASES by 2 going Down, alternating ODD and EVEN diagonals. Horizontal or Vertical ARROWS Δ by 1. Diagonal ARROWS Δ by 2. Copyright © 2021, Reginald Brooks, Brooks Design. All rights reserved.