4 × 9 = 36	4 × 7 = 28	4 × 10 = 40	4 × 1 = 4	4 × 12 = 48
4 × 8 = 32	4 × 11 = 44	4 × 5 = 20	4 × 2 = 8	4 × 3 = 12
4 × 4 = 16	4 × 6 = 24	4 × 7 = 28	4 × 9 = 36	4 × 1 = 4
4 × 10 = 40	4 × 8 = 32	4 × 11 = 44	4 × 5 = 20	4 × 12 = 48
4 × 2 = 8	4 × 3 = 12	4 × 6 = 24	4 × 4 = 16	4 × 7 = 28
4 × 1 = 4	4 × 10 = 40	4 × 8 = 32	4 × 9 = 36	4 × 5 = 20
4 × 12 = 48	4 × 2 = 8	4 × 3 = 12	4 × 6 = 24	4 × 4 = 16
4 × 11 = 44	4 × 1 = 4	4 × 7 = 28	4 × 8 = 32	4 × 9 = 36

4 × **9**	**4** × **4**	**4** × **11**	**4** × **8**	**4** × **6**
36	16	44	32	24
4 × **5**	**4** × **7**	**4** × **2**	**4** × **10**	**4** × **12**
20	28	8	40	48
4 × **3**	**4** × **1**	**4** × **4**	**4** × **9**	**4** × **8**
12	4	16	36	32
4 × **11**	**4** × **6**	**4** × **5**	**4** × **7**	**4** × **10**
44	24	20	28	40
4 × **2**	**4** × **12**	**4** × **1**	**4** × **3**	**4** × **4**
8	48	4	12	16
4 × **9**	**4** × **8**	**4** × **6**	**4** × **11**	**4** × **7**
36	32	24	44	28
4 × **10**	**4** × **2**	**4** × **5**	**4** × **12**	**4** × **3**
40	8	20	48	12
4 × **1**	**4** × **4**	**4** × **9**	**4** × **8**	**4** × **11**
4	16	36	32	44

4 × **11** = 44	**4** × **9** = 36	**4** × **2** = 8	**4** × **4** = 16	**4** × **1** = 4
4 × **5** = 20	**4** × **10** = 40	**4** × **8** = 32	**4** × **3** = 12	**4** × **12** = 48
4 × **7** = 28	**4** × **6** = 24	**4** × **9** = 36	**4** × **11** = 44	**4** × **2** = 8
4 × **1** = 4	**4** × **5** = 20	**4** × **4** = 16	**4** × **10** = 40	**4** × **8** = 32
4 × **3** = 12	**4** × **12** = 48	**4** × **6** = 24	**4** × **7** = 28	**4** × **11** = 44
4 × **9** = 36	**4** × **2** = 8	**4** × **5** = 20	**4** × **1** = 4	**4** × **10** = 40
4 × **4** = 16	**4** × **8** = 32	**4** × **3** = 12	**4** × **12** = 48	**4** × **7** = 28
4 × **11** = 44	**4** × **6** = 24	**4** × **9** = 36	**4** × **2** = 8	**4** × **5** = 20

4 × **1**	**4** × **10**	**4** × **12**	**4** × **5**	**4** × **8**
4	40	48	20	32
4 × **4**	**4** × **3**	**4** × **6**	**4** × **9**	**4** × **7**
16	12	24	36	28
4 × **2**	**4** × **11**	**4** × **10**	**4** × **12**	**4** × **1**
8	44	40	48	4
4 × **8**	**4** × **5**	**4** × **3**	**4** × **6**	**4** × **4**
32	20	12	24	16
4 × **7**	**4** × **9**	**4** × **2**	**4** × **10**	**4** × **11**
28	36	8	40	44
4 × **1**	**4** × **12**	**4** × **8**	**4** × **3**	**4** × **5**
4	48	32	12	20
4 × **4**	**4** × **6**	**4** × **9**	**4** × **7**	**4** × **10**
16	24	36	28	40
4 × **11**	**4** × **1**	**4** × **2**	**4** × **12**	**4** × **8**
44	4	8	48	32

4 × 11	4 × 4	4 × 7	4 × 3	4 × 5
44	16	28	12	20
4 × 12	4 × 8	4 × 2	4 × 6	4 × 10
48	32	8	24	40
4 × 1	4 × 9	4 × 4	4 × 11	4 × 3
4	36	16	44	12
4 × 5	4 × 7	4 × 8	4 × 2	4 × 12
20	28	32	8	48
4 × 10	4 × 6	4 × 1	4 × 9	4 × 11
40	24	4	36	44
4 × 4	4 × 5	4 × 3	4 × 8	4 × 2
16	20	12	32	8
4 × 12	4 × 7	4 × 6	4 × 1	4 × 9
48	28	24	4	36
4 × 11	4 × 4	4 × 5	4 × 3	4 × 10
44	16	20	12	40

4 × 8 = 32	4 × 2 = 8	4 × 12 = 48	4 × 1 = 4	4 × 10 = 40
4 × 3 = 12	4 × 11 = 44	4 × 9 = 36	4 × 5 = 20	4 × 4 = 16
4 × 6 = 24	4 × 7 = 28	4 × 8 = 32	4 × 2 = 8	4 × 1 = 4
4 × 12 = 48	4 × 3 = 12	4 × 10 = 40	4 × 11 = 44	4 × 5 = 20
4 × 4 = 16	4 × 9 = 36	4 × 6 = 24	4 × 8 = 32	4 × 7 = 28
4 × 1 = 4	4 × 12 = 48	4 × 2 = 8	4 × 3 = 12	4 × 10 = 40
4 × 5 = 20	4 × 11 = 44	4 × 9 = 36	4 × 6 = 24	4 × 8 = 32
4 × 7 = 28	4 × 4 = 16	4 × 1 = 4	4 × 12 = 48	4 × 3 = 12

4 × **2** = 8	**4** × **10** = 40	**4** × **9** = 36	**4** × **1** = 4	**4** × **6** = 24
4 × **12** = 48	**4** × **4** = 16	**4** × **11** = 44	**4** × **8** = 32	**4** × **7** = 28
4 × **3** = 12	**4** × **5** = 20	**4** × **10** = 40	**4** × **9** = 36	**4** × **1** = 4
4 × **6** = 24	**4** × **2** = 8	**4** × **4** = 16	**4** × **11** = 44	**4** × **12** = 48
4 × **7** = 28	**4** × **8** = 32	**4** × **3** = 12	**4** × **10** = 40	**4** × **9** = 36
4 × **1** = 4	**4** × **6** = 24	**4** × **2** = 8	**4** × **5** = 20	**4** × **4** = 16
4 × **12** = 48	**4** × **11** = 44	**4** × **7** = 28	**4** × **3** = 12	**4** × **10** = 40
4 × **8** = 32	**4** × **9** = 36	**4** × **1** = 4	**4** × **6** = 24	**4** × **2** = 8

4 × 6	4 × 5	4 × 7	4 × 8	4 × 9
24	20	28	32	36
4 × 4	4 × 11	4 × 2	4 × 12	4 × 1
16	44	8	48	4
4 × 10	4 × 3	4 × 5	4 × 6	4 × 8
40	12	20	24	32
4 × 9	4 × 7	4 × 11	4 × 2	4 × 12
36	28	44	8	48
4 × 1	4 × 10	4 × 3	4 × 4	4 × 6
4	40	12	16	24
4 × 5	4 × 8	4 × 7	4 × 11	4 × 9
20	32	28	44	36
4 × 12	4 × 1	4 × 2	4 × 10	4 × 4
48	4	8	40	16
4 × 6	4 × 5	4 × 8	4 × 7	4 × 11
24	20	32	28	44

4 × **4**	**4** × **2**	**4** × **5**	**4** × **8**	**4** × **6**
16	8	20	32	24
4 × **7**	**4** × **10**	**4** × **12**	**4** × **9**	**4** × **3**
28	40	48	36	12
4 × **11**	**4** × **1**	**4** × **4**	**4** × **2**	**4** × **5**
44	4	16	8	20
4 × **6**	**4** × **8**	**4** × **10**	**4** × **7**	**4** × **9**
24	32	40	28	36
4 × **3**	**4** × **11**	**4** × **1**	**4** × **4**	**4** × **2**
12	44	4	16	8
4 × **5**	**4** × **6**	**4** × **8**	**4** × **12**	**4** × **10**
20	24	32	48	40
4 × **9**	**4** × **7**	**4** × **3**	**4** × **11**	**4** × **1**
36	28	12	44	4
4 × **4**	**4** × **5**	**4** × **2**	**4** × **6**	**4** × **12**
16	20	8	24	48

4 × **12**	**4** × **9**	**4** × **5**	**4** × **10**	**4** × **1**
48	36	20	40	4
4 × **7**	**4** × **4**	**4** × **6**	**4** × **2**	**4** × **8**
28	16	24	8	32
4 × **11**	**4** × **3**	**4** × **12**	**4** × **5**	**4** × **9**
44	12	48	20	36
4 × **1**	**4** × **7**	**4** × **10**	**4** × **6**	**4** × **4**
4	28	40	24	16
4 × **8**	**4** × **2**	**4** × **11**	**4** × **12**	**4** × **3**
32	8	44	48	12
4 × **9**	**4** × **1**	**4** × **7**	**4** × **5**	**4** × **10**
36	4	28	20	40
4 × **6**	**4** × **8**	**4** × **4**	**4** × **11**	**4** × **2**
24	32	16	44	8
4 × **3**	**4** × **12**	**4** × **1**	**4** × **9**	**4** × **5**
12	48	4	36	20

4 × **9**	**4** × **10**	**4** × **7**	**4** × **12**	**4** × **8**
36	40	28	48	32
4 × **11**	**4** × **3**	**4** × **5**	**4** × **6**	**4** × **1**
44	12	20	24	4
4 × **4**	**4** × **2**	**4** × **10**	**4** × **9**	**4** × **7**
16	8	40	36	28
4 × **12**	**4** × **11**	**4** × **8**	**4** × **3**	**4** × **5**
48	44	32	12	20
4 × **1**	**4** × **6**	**4** × **4**	**4** × **10**	**4** × **2**
4	24	16	40	8
4 × **7**	**4** × **9**	**4** × **12**	**4** × **8**	**4** × **3**
28	36	48	32	12
4 × **11**	**4** × **1**	**4** × **6**	**4** × **4**	**4** × **5**
44	4	24	16	20
4 × **10**	**4** × **2**	**4** × **9**	**4** × **12**	**4** × **7**
40	8	36	48	28

4 × **2**	**4** × **12**	**4** × **5**	**4** × **8**	**4** × **7**
8	48	20	32	28
4 × **1**	**4** × **6**	**4** × **11**	**4** × **4**	**4** × **9**
4	24	44	16	36
4 × **3**	**4** × **10**	**4** × **2**	**4** × **5**	**4** × **12**
12	40	8	20	48
4 × **8**	**4** × **1**	**4** × **6**	**4** × **7**	**4** × **11**
32	4	24	28	44
4 × **9**	**4** × **4**	**4** × **10**	**4** × **3**	**4** × **5**
36	16	40	12	20
4 × **12**	**4** × **8**	**4** × **2**	**4** × **1**	**4** × **6**
48	32	8	4	24
4 × **7**	**4** × **11**	**4** × **9**	**4** × **4**	**4** × **3**
28	44	36	16	12
4 × **5**	**4** × **10**	**4** × **12**	**4** × **2**	**4** × **1**
20	40	48	8	4

4 × 4 = 16	4 × 1 = 4	4 × 6 = 24	4 × 8 = 32	4 × 7 = 28
4 × 2 = 8	4 × 5 = 20	4 × 12 = 48	4 × 10 = 40	4 × 11 = 44
4 × 3 = 12	4 × 9 = 36	4 × 4 = 16	4 × 6 = 24	4 × 1 = 4
4 × 8 = 32	4 × 2 = 8	4 × 5 = 20	4 × 12 = 48	4 × 7 = 28
4 × 11 = 44	4 × 3 = 12	4 × 9 = 36	4 × 4 = 16	4 × 6 = 24
4 × 10 = 40	4 × 8 = 32	4 × 1 = 4	4 × 5 = 20	4 × 12 = 48
4 × 7 = 28	4 × 11 = 44	4 × 2 = 8	4 × 3 = 12	4 × 9 = 36
4 × 4 = 16	4 × 6 = 24	4 × 8 = 32	4 × 1 = 4	4 × 5 = 20

4 × **3**	**4** × **12**	**4** × **10**	**4** × **7**	**4** × **11**
12	48	40	28	44
4 × **2**	**4** × **9**	**4** × **4**	**4** × **5**	**4** × **8**
8	36	16	20	32
4 × **1**	**4** × **6**	**4** × **3**	**4** × **10**	**4** × **12**
4	24	12	40	48
4 × **7**	**4** × **11**	**4** × **2**	**4** × **9**	**4** × **4**
28	44	8	36	16
4 × **5**	**4** × **8**	**4** × **1**	**4** × **6**	**4** × **3**
20	32	4	24	12
4 × **10**	**4** × **7**	**4** × **11**	**4** × **2**	**4** × **9**
40	28	44	8	36
4 × **12**	**4** × **5**	**4** × **8**	**4** × **4**	**4** × **6**
48	20	32	16	24
4 × **1**	**4** × **10**	**4** × **3**	**4** × **7**	**4** × **2**
4	40	12	28	8

4 × **4** = 16	**4** × **11** = 44	**4** × **2** = 8	**4** × **8** = 32	**4** × **3** = 12
4 × **1** = 4	**4** × **10** = 40	**4** × **6** = 24	**4** × **5** = 20	**4** × **12** = 48
4 × **7** = 28	**4** × **9** = 36	**4** × **11** = 44	**4** × **4** = 16	**4** × **8** = 32
4 × **2** = 8	**4** × **3** = 12	**4** × **10** = 40	**4** × **6** = 24	**4** × **5** = 20
4 × **12** = 48	**4** × **7** = 28	**4** × **9** = 36	**4** × **11** = 44	**4** × **4** = 16
4 × **8** = 32	**4** × **2** = 8	**4** × **1** = 4	**4** × **10** = 40	**4** × **6** = 24
4 × **3** = 12	**4** × **5** = 20	**4** × **7** = 28	**4** × **12** = 48	**4** × **11** = 44
4 × **9** = 36	**4** × **8** = 32	**4** × **4** = 16	**4** × **2** = 8	**4** × **1** = 4

4 × **6**	**4** × **3**	**4** × **2**	**4** × **4**	**4** × **1**
24	12	8	16	4
4 × **8**	**4** × **12**	**4** × **5**	**4** × **7**	**4** × **11**
32	48	20	28	44
4 × **10**	**4** × **9**	**4** × **3**	**4** × **6**	**4** × **2**
40	36	12	24	8
4 × **1**	**4** × **4**	**4** × **8**	**4** × **5**	**4** × **12**
4	16	32	20	48
4 × **7**	**4** × **11**	**4** × **10**	**4** × **9**	**4** × **3**
28	44	40	36	12
4 × **2**	**4** × **1**	**4** × **6**	**4** × **4**	**4** × **8**
8	4	24	16	32
4 × **12**	**4** × **5**	**4** × **7**	**4** × **11**	**4** × **9**
48	20	28	44	36
4 × **10**	**4** × **3**	**4** × **2**	**4** × **1**	**4** × **4**
40	12	8	4	16

4 × **10** = 40	**4** × **4** = 16	**4** × **11** = 44	**4** × **2** = 8	**4** × **9** = 36
4 × **3** = 12	**4** × **6** = 24	**4** × **8** = 32	**4** × **5** = 20	**4** × **12** = 48
4 × **7** = 28	**4** × **1** = 4	**4** × **10** = 40	**4** × **11** = 44	**4** × **4** = 16
4 × **9** = 36	**4** × **2** = 8	**4** × **3** = 12	**4** × **8** = 32	**4** × **5** = 20
4 × **6** = 24	**4** × **7** = 28	**4** × **12** = 48	**4** × **1** = 4	**4** × **10** = 40
4 × **4** = 16	**4** × **9** = 36	**4** × **2** = 8	**4** × **3** = 12	**4** × **8** = 32
4 × **11** = 44	**4** × **5** = 20	**4** × **6** = 24	**4** × **12** = 48	**4** × **1** = 4
4 × **7** = 28	**4** × **10** = 40	**4** × **9** = 36	**4** × **2** = 8	**4** × **4** = 16

4 × **9**	**4** × **12**	**4** × **4**	**4** × **3**	**4** × **1**
36	48	16	12	4
4 × **10**	**4** × **7**	**4** × **5**	**4** × **6**	**4** × **2**
40	28	20	24	8
4 × **11**	**4** × **8**	**4** × **12**	**4** × **9**	**4** × **4**
44	32	48	36	16
4 × **1**	**4** × **10**	**4** × **3**	**4** × **5**	**4** × **6**
4	40	12	20	24
4 × **2**	**4** × **11**	**4** × **7**	**4** × **8**	**4** × **12**
8	44	28	32	48
4 × **9**	**4** × **4**	**4** × **1**	**4** × **10**	**4** × **5**
36	16	4	40	20
4 × **3**	**4** × **2**	**4** × **11**	**4** × **7**	**4** × **8**
12	8	44	28	32
4 × **12**	**4** × **9**	**4** × **4**	**4** × **6**	**4** × **1**
48	36	16	24	4

4 × **11** = 44	**4** × **4** = 16	**4** × **9** = 36	**4** × **8** = 32	**4** × **6** = 24
4 × **1** = 4	**4** × **10** = 40	**4** × **5** = 20	**4** × **3** = 12	**4** × **12** = 48
4 × **7** = 28	**4** × **2** = 8	**4** × **11** = 44	**4** × **4** = 16	**4** × **8** = 32
4 × **9** = 36	**4** × **6** = 24	**4** × **10** = 40	**4** × **1** = 4	**4** × **3** = 12
4 × **12** = 48	**4** × **7** = 28	**4** × **2** = 8	**4** × **5** = 20	**4** × **4** = 16
4 × **11** = 44	**4** × **8** = 32	**4** × **9** = 36	**4** × **10** = 40	**4** × **1** = 4
4 × **3** = 12	**4** × **12** = 48	**4** × **7** = 28	**4** × **2** = 8	**4** × **6** = 24
4 × **4** = 16	**4** × **5** = 20	**4** × **8** = 32	**4** × **11** = 44	**4** × **9** = 36

4 × **12**	**4** × **2**	**4** × **6**	**4** × **11**	**4** × **8**
48	8	24	44	32
4 × **9**	**4** × **7**	**4** × **10**	**4** × **3**	**4** × **4**
36	28	40	12	16
4 × **1**	**4** × **5**	**4** × **12**	**4** × **6**	**4** × **11**
4	20	48	24	44
4 × **2**	**4** × **8**	**4** × **7**	**4** × **10**	**4** × **9**
8	32	28	40	36
4 × **4**	**4** × **1**	**4** × **3**	**4** × **12**	**4** × **6**
16	4	12	48	24
4 × **5**	**4** × **11**	**4** × **2**	**4** × **7**	**4** × **10**
20	44	8	28	40
4 × **8**	**4** × **9**	**4** × **1**	**4** × **4**	**4** × **12**
32	36	4	16	48
4 × **6**	**4** × **3**	**4** × **11**	**4** × **2**	**4** × **7**
24	12	44	8	28