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

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

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

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

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

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