




Messier Bino-thon Finding Sequence Checklist


Date: _____

Location: _____

<input checked="" type="checkbox"/>	Seq#	M	Const.	Type of object	R.A.	Dec	Magnitude	Size (arc-minutes)
	1	M45	Tau	Open cluster	03 47.0	+24 07	1.2	110
	2	M42	Ori	Bright nebula	05 35.4	-05 27	2.9	66x60
	3	M43	Ori	Bright nebula	05 35.6	-05 16	6.9	20x15
	4	M41	CMa	Open cluster	06 47.0	-20 44	4.6	38
	5	M35	Gem	Open cluster	06 08.9	+24 20	5.3	28
	6	M31	And	Galaxy	00 42.7	+41 16	4.8	160x40
	7	M32	And	Galaxy	00 42.7	+40 52	8.7	3x3
	8	M110	And	Galaxy	00 40.4	+41 41	9.4	8x3
	9	M77	Cet	Galaxy	02 42.7	-00 01	8.9	6x5
	10	M33	Tri	Galaxy	01 33.9	+30 39	6.3	60x35
	11	M79	Lep	Globular cluster	05 24.5	-24 33	8.4	3
	12	M74	Psc	Galaxy	01 36.7	+15 47	9.2	9x9
	13	M76	Per	Planetary nebula	01 42.4	+51 34	12.2	140x70
	14	M52	Cas	Open cluster	23 24.2	+61 35	6.9	13
	15	M103	Cas	Open cluster	01 33.2	+60 42	7.4	5
	16	M34	Per	Open cluster	02 42.0	+42 47	5.5	35
	17	M38	Aur	Open cluster	05 28.7	+35 50	6.4	21
	18	M36	Aur	Open cluster	05 36.1	+34 08	6.0	12

	Seq#	M	Const.	Type of object	R.A.	Dec	Magnitude	Size (arc-minutes)
	19	M37	Aur	Open cluster	05 52.4	+32 33	5.6	24
	20	M1	Tau	Supernova remnant	05 34.5	+22 01	8.2	6x4
	21	M78	Ori	Bright nebula	05 46.7	+00 03	10.5	8x6
	22	M50	Mon	Open cluster	07 03.2	-08 20	5.9	10x6
	23	M47	Pup	Open cluster	07 36.6	-14 30	4.5	30
	24	M46	Pup	Open cluster	07 41.8	-14 49	6.1	27
	25	M93	Pup	Open cluster	07 44.6	-23 52	6.2	22
	26	M48	Hya	Open cluster	08 13.8	-05 48	5.8	54
	27	M44	Cnc	Open cluster	08 40.1	+19 59	3.1	95
	28	M67	Cnc	Open cluster	08 50.4	+11 49	6.9	30
	29	M81	UMa	Galaxy	09 55.6	+69 04	6.9	18x10
	30	M82	UMa	Galaxy	09 55.8	+69 41	8.4	8x3
	31	M108	UMa	Galaxy	11 11.5	+55 40	10.1	8x1
	32	M97	UMa	Planetary nebula	11 14.8	+55 01	12.0	3x3
	33	M109	UMa	Galaxy	11 57.6	+53 23	9.8	6x4
	34	M40	UMa	Double star	12 22.4	+58 05	9.1	50"
	35	M106	CVn	Galaxy	12 19.0	+47 18	8.3	18x7
	36	M94	CVn	Galaxy	12 50.9	+41 07	8.2	5x4
	37	M63	CVn	Galaxy	13 15.8	+42 02	8.6	10x5
	38	M51	CVn	Galaxy	13 29.9	+47 12	8.4	10x6
	39	M101	UMa	Galaxy	14 03.2	+54 21	7.7	22x20
	40	M95	Leo	Galaxy	10 44.0	+11 42	9.7	6x4
	41	M96	Leo	Galaxy	10 46.8	+11 49	9.1	5x4
	42	M105	Leo	Galaxy	10 47.8	+12 35	9.2	2x2
	43	M65	Leo	Galaxy	11 18.9	+13 05	9.3	8x3

<input checked="" type="checkbox"/>	Seq#	M	Const.	Type of object	R.A.	Dec	Magnitude	Size (arc-minutes)
	44	M66	Leo	Galaxy	11 20.2	+12 59	9.0	8x3
	45	M98	Com	Galaxy	12 13.8	+14 54	10.1	8x2
	46	M99	Com	Galaxy	12 18.8	+14 25	9.8	5x4
	47	M100	Com	Galaxy	12 22.9	+15 49	9.4	5x5
	48	M85	Com	Galaxy	12 25.4	+18 11	9.3	2x2
	49	M60	Vir	Galaxy	12 43.7	+11 33	8.8	3x3
	50	M59	Vir	Galaxy	12 42.0	+11 39	9.8	2x2
	51	M58	Vir	Galaxy	12 37.7	+11 49	9.8	4x4
	52	M89	Vir	Galaxy	12 35.7	+12 33	9.8	2x2
	53	M87	Vir	Galaxy	12 30.8	+12 24	8.6	3x3
	54	M84	Vir	Galaxy	12 25.1	+12 53	9.3	2x2
	55	M86	Vir	Galaxy	12 26.2	+12 57	9.2	3x2
	56	M90	Vir	Galaxy	12 36.8	+13 10	9.5	7x3
	57	M91	Com	Galaxy	12 35.4	+14 30	10.2	4x3
	58	M88	Com	Galaxy	12 32.0	+14 25	9.5	6x2
	59	M49	Vir	Galaxy	12 29.8	+08 00	8.4	4x3
	60	M61	Vir	Galaxy	12 21.9	+04 28	9.7	6x6
	61	M53	Com	Globular cluster	13 12.9	+18 10	7.7	3
	62	M64	Com	Galaxy	12 56.7	+21 41	8.5	8x2
	63	M3	CVn	Globular cluster	13 42.2	+28 23	6.4	16
	64	M104	Vir	Galaxy	12 40.0	-11 37	8.3	7x2
	65	M68	Hya	Globular cluster	12 39.5	-26 45	8.2	3
	66	M83	Hya	Galaxy	13 37.0	-29 52	8.2	10x8
	67	M5	Ser	Globular cluster	15 18.6	+02 05	5.8	17
	68	M102	Dra	Galaxy	15 05.1	+55 57	11.5	3x1

	Seq#	M	Const.	Type of object	R.A.	Dec	Magnitude	Size (arc-minutes)
	69	M13	Her	Globular cluster	16 41.7	+36 28	5.9	10
	70	M92	Her	Globular cluster	17 17.1	+43 08	6.5	8
	71	M12	Oph	Globular cluster	16 47.2	-01 57	6.6	9
	72	M10	Oph	Globular cluster	16 57.1	-04 06	6.6	8
	73	M14	Oph	Globular cluster	17 37.6	-03 15	7.6	3
	74	M107	Oph	Globular cluster	16 32.5	-13 03	8.1	2
	75	M4	Sco	Globular cluster	16 23.6	-26 32	5.9	26
	76	M80	Sco	Globular cluster	16 17.0	-22 59	7.2	3
	77	M62	Oph	Globular cluster	17 01.2	-30 07	6.6	4
	78	M19	Oph	Globular cluster	17 02.6	-26 16	7.2	4
	79	M9	Oph	Globular cluster	17 19.2	-18 31	7.9	2
	80	M6	Sco	Open cluster	17 40.1	-32 13	4.2	15
	81	M7	Sco	Open cluster	17 53.9	-34 49	3.3	80
	82	M8	Sgr	Bright nebula	18 03.8	-24 23	6.8	80x40
	83	M20	Sgr	Bright nebula	18 02.6	-23 02	9.0	29x27
	84	M21	Sgr	Open cluster	18 04.6	-22 30	5.9	13
	85	M23	Sgr	Open cluster	17 56.8	-19 01	5.5	27
	86	M24	Sgr	Open cluster	18 16.9	-18 29	4.6	4
	87	M18	Sgr	Open cluster	18 19.9	-17 08	6.9	9
	88	M25	Sgr	Open cluster	18 31.6	-19 15	4.6	32
	89	M17	Sgr	Bright nebula	18 20.8	-16 11	7.5	46x37
	90	M16	Ser	Bright nebula	18 18.8	-13 47	6.4	25
	91	M22	Sgr	Globular cluster	18 36.4	-23 54	5.1	17
	92	M28	Sgr	Globular cluster	18 24.5	-24 52	6.9	6
	93	M11	Sct	Open cluster	18 51.1	-06 16	5.8	14

<input checked="" type="checkbox"/>	Seq#	M	Const.	Type of object	R.A.	Dec	Magnitude	Size (arc-minutes)
	94	M26	Sct	Open cluster	18 45.2	-09 24	8.0	15
	95	M57	Lyr	Planetary nebula	18 53.6	+33 02	9.3	1x1
	96	M56	Lyr	Globular cluster	19 16.6	+30 11	8.3	2
	97	M39	Cyg	Open cluster	21 32.2	+48 26	4.6	32
	98	M29	Cyg	Open cluster	20 23.9	+38 32	6.6	7
	99	M27	Vul	Planetary nebula	19 59.6	+22 43	7.6	8x4
	100	M71	Sge	Globular cluster	19 53.8	+18 47	8.3	6
	101	M69	Sgr	Globular cluster	18 31.4	-32 21	7.7	3
	102	M70	Sgr	Globular cluster	18 43.2	-32 18	8.1	4
	103	M54	Sgr	Globular cluster	18 55.1	-30 29	7.7	6
	104	M55	Sgr	Globular cluster	19 40.0	-30 58	7.0	15
	105	M75	Sgr	Globular cluster	20 06.1	-21 55	8.6	2
	106	M15	Peg	Globular cluster	21 30.0	+12 10	6.4	8
	107	M2	Aqr	Globular cluster	21 33.5	-00 49	6.5	13
	108	M72	Aqr	Globular cluster	20 53.5	-12 32	9.4	2
	109	M73	Aqr	Asterism	20 58.9	-12 38	9.0	3
	110	M30	Cap	Globular cluster	21 40.4	-23 11	7.5	6

Binoculars used: _____

Total objects seen: _____