1. **Pleiades**  
   Open Cluster in Taurus  
   R.A. 03h 43.9m Dec. 23° 58'  
   Other names: Seven Sisters, M45  
   To some it resembles a little dipper. This cluster is 410 ly away, and approximately 50 stars can be seen with binoculars. The nine brightest stars lie within a circle 7 ly in diameter, with the rest of the cluster stretching out to a diameter of 20 ly.

2. **Orion Nebula**  
   Diffuse Nebula in Orion  
   R.A. 05h 32.9m Dec. -5° 25'  
   Other names: M42 or NGC 1976  
   The fuzzy second star in Orion's sword is the brightest diffuse nebula in our skies. M42 lies about 1700 ly away. Its bright central region is 5-6 ly across with the rest of the nebula stretching out to approximately 30 ly in diameter. M42 will appear as a pale, wispy cloud through your binoculars.

3. **M36**  
   Open Cluster in Auriga  
   R.A. 05h 32.9m Dec. 34° 07'  
   Other name: NGC 1960  
   This cluster is the smallest and brightest of three open clusters in Auriga. M36 is 4100 ly distant and contains about 60 stars grouped within a circle 14 ly diameter. **See M37 & M38.**

4. **M37**  
   Open Cluster in Auriga  
   R.A. 05h 49.0m Dec. 32° 33'  
   Other name: NGC 2099  
   One of three open clusters in Auriga. M37 will appear as a faint cloud through binoculars with no individual stars easily resolved. This cluster is 4600 ly distant, 25 ly in diameter and contains 150 stars. **See M36 & M38.**

5. **M38**  
   Open Cluster in Auriga  
   R.A. 05h 25.3m Dec. 35° 48'  
   Other name: NGC 1912  
   Largest and dimmest of three open clusters in Auriga. Brighter individual stars can be resolved from the faint haze of the rest of the cluster. M38 lies at a distance of 4200 ly and is approximately 25 ly in diameter. Over 100 stars reside within the cluster. **See M36 & M37.**

---

3. **M36** is the smallest and brightest of the three open clusters in Auriga. It is 4100 light years distant and contains about 60 stars grouped within a diameter of 14 light years. **See M37 & M38.**

4. **M37** is one of the three open clusters in Auriga. It is 4600 light years distant, 25 light years in diameter, and contains 150 stars. It is a faint cloud that can be seen through binoculars. **See M36 & M38.**

5. **M38** is the largest and dimmest of the three open clusters in Auriga. It is 4200 light years distant and has an approximate diameter of 25 light years. Over 100 stars reside within the cluster. **See M36 & M37.**