

## Worksheet 10 : Telescopes & Binoculars

1) In a pair of 7 x 50 Binoculars

The “7” represents: \_\_\_\_\_

The “50” represents: \_\_\_\_\_

2) There are two (2) basic OPTICAL designs of telescopes;

a) The design using a primary mirror is called a \_\_\_\_\_ telescope

b) The design using a primary lens is called a \_\_\_\_\_ telescope

3) The magnification of a telescope can be increased or decreased by using different \_\_\_\_\_

4) The larger the diameter of a telescope’s primary optic,

- a. The greater its light gathering capability
- b. The less its light gathering capability
- c. The focal length is severely blocked

5) Chromatic Aberration affects this type of telescope more:

- a. Reflecting
- b. Refracting
- c. Radio

6) A Newtonian telescope’s primary mirror is shaped into a parabola to minimize

- a. Coma
- b. Chromatic Aberration
- c. Spherical Aberration

7) The simple and popular telescope mounting invented by a San Francisco monk is called:

