



Royal Rangers

Merit Requirements: **Red-Bordered Merit**

COMPASS

1. List the two main types of compasses.
2. List the four main parts of a compass.
3. List the eight major directions and their bearings.
4. Define these terms: magnetic north, true north, declination, and magnetic variation.
5. Demonstrate how to orient your compass.
6. Demonstrate how to find a bearing.
7. Give a good example of a sighting point.
8. List three methods for estimating distances and tell which is the most accurate method.
9. Calculate your average step and average stride using the step method.
10. Demonstrate how to determine directions without a compass using the following:
 - a. The face of a standard watch
 - b. The stars
11. Demonstrate your understanding of a topographic (topo) map by doing the following:
 - a. Tell what the standard topo map colors represent.
 - b. Demonstrate your ability to read a topo map.
 - c. Demonstrate your ability to identify topo map symbols.
 - d. Draw and label ten topo map symbols from memory.
12. Describe what to do if you get lost.
13. List three Scripture references regarding features on a map, such as rivers, mountains, trees, highways, and cities.
14. Successfully complete the compass skills activity provided by your leader.