

# A Map



- a. Where is the scale bar?
- b. How many km actual per cm on map?
- c. How many cm on the map for actual km?
- d. How far from Winnipeg to Brandon?
- e. How far from Winnipeg to Dauphin?
- f. What is the scale factor of this map?



How far  
Higgins  
and Main  
to Portage  
and  
Colony?

What is  
the scale  
of this  
map?

What is  
the scale  
factor?

# Scale

What is scale?

How measure it?

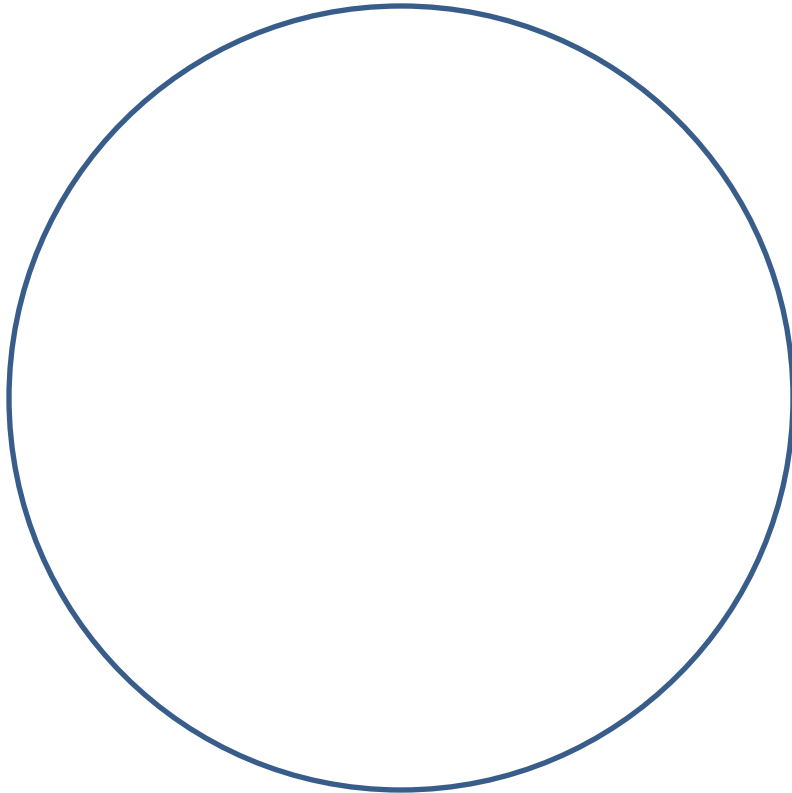
Scale Bar

Scale Units Comparison

Scale Factor: \_\_\_\_\_



# Our Earth

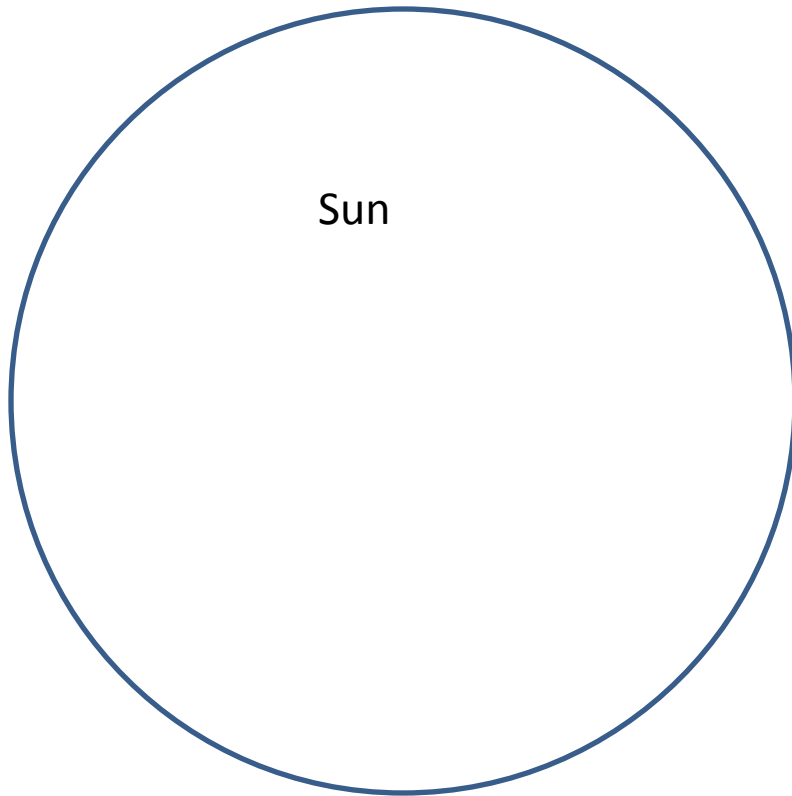


Diameter of earth is 8,000 miles (about 13,000 km)

The space shuttle and space station are 300 miles up, draw to scale their orbit

The earth's air is about 20 miles thick (99% of it), draw to scale the layer of our atmosphere

# The sun



The sun is 1,000,000 miles diameter on the model at the left.

The earth is 8,000 miles (call it 10,000) diameter. Draw a scale model of the earth here ↓