Test

1. Latitude and longitude is a … that is used for locating any place on the globe.

a) modern machine;

b) coordinate system;

c) well-known method;

d) precision instrument.

2. Latitude is the … distance from the Equator to a point on the Earth's surface.

a) angular;

b) direct;

c) indirect;

d) alternative.

3. The latitude of the equator is … degrees.

a) 26;

b) 13;

c) 16;

d) 0.

4. Latitude and longitude are … that uniquely define points on a sphere.

a) terms;

b) angles;

c) methods;

d) devices.

5. Degrees of latitude and longitude can be divided into …, or minutes.

a) 60;

b) 30;

c) 40;

d) 50.

6. A degree of latitude can easily be changed into …

a) kilometers;

b) meters;

c) miles;

d) seconds.

7. Degrees of latitude vary a little in...

a) length;

b) height;

c) width;

d) thickness.

8. Degrees are not … enough to find a precise location.

a) strong;

b) big;

c) accurate;

d) reliable.

9. At the equator, one degree of latitude or longitude represents approximately … statute miles.
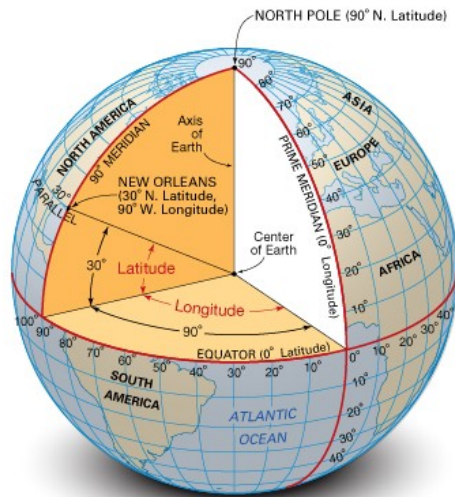
a) 50;

b) 30;

c) 70;

d) 20.

10. In some instances even more accuracy is needed. To do this we can divide 1' into 60" (seconds).

a) 60;

b) 30;

c) 40;

d) 50.

Answers:

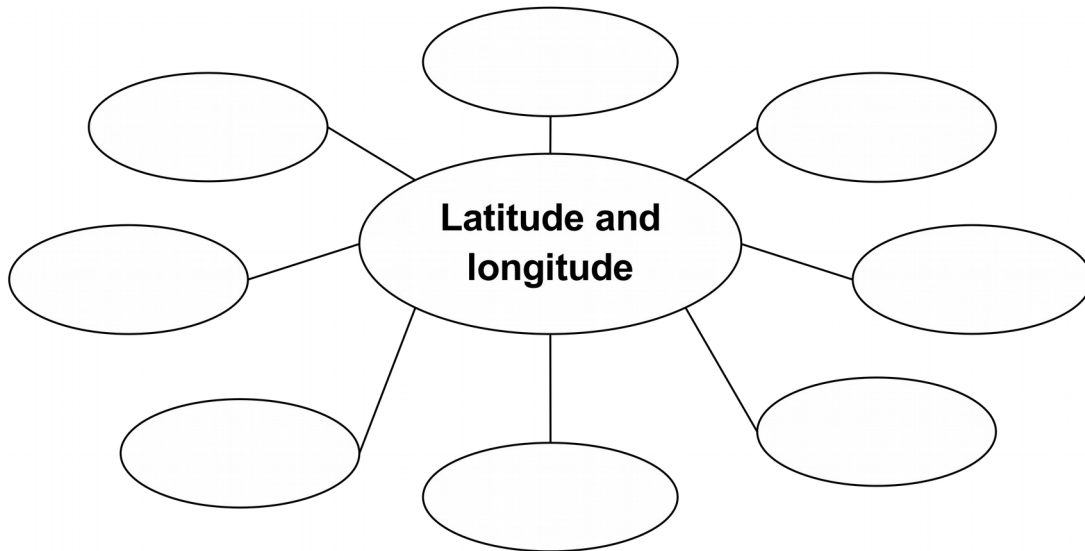1) b; 2) a; 3) d; 4) b; 5) a; 6) c; 7) a; 8) c; 9) c; 10) a.

NORTH POLE (90° N. Latitude)

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Additional tasks

1. Fill in the spidergram with the words associated with longitude and latitude.

Latitude and longitude

2. Get the coordinates of the place you live. Then discuss with your groupmates the coordinates of the capitals in the world. It will help you to use latitude and longitude more effectively:

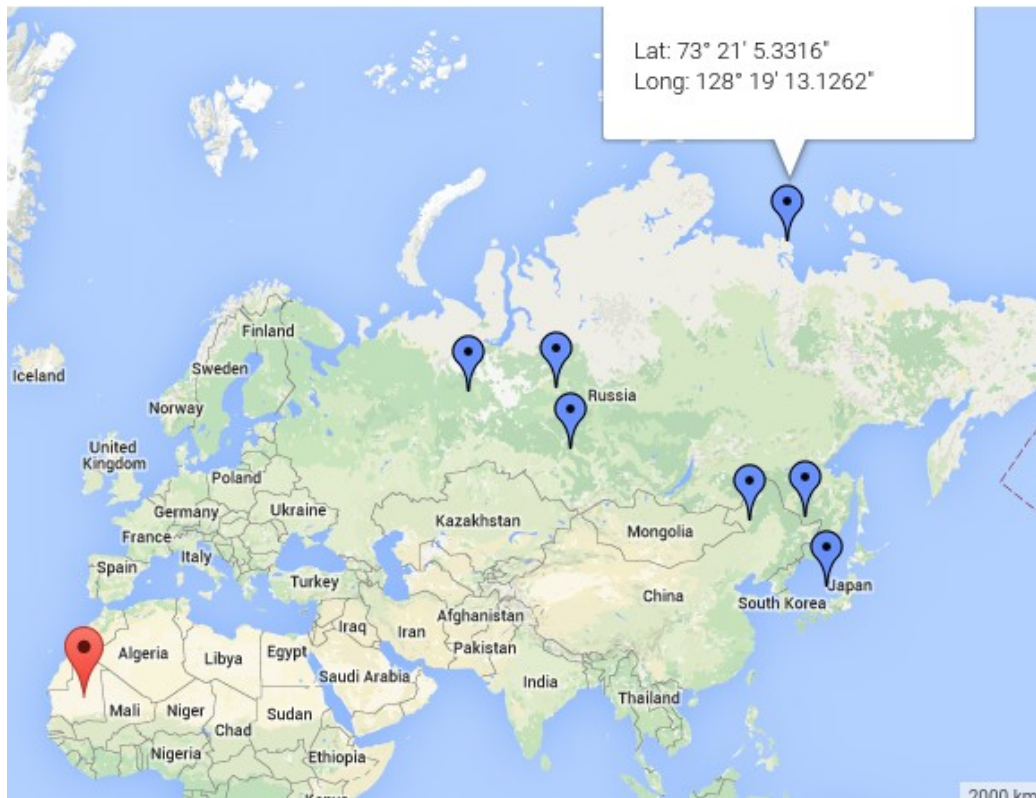| 1 degree	70 miles
1'	1.2 miles
1"	.02 miles

1 degree = 70 miles

1' = 1.2 miles

1" = .02 miles

3. How to find longitude and latitude coordinates of any location on Earth using Google Maps and figure 1.

Figure 1

Lat: 73° 21' 5.3316"
Long: 128° 19' 13.1262"

4. Discuss with your groupmates latitude and longitude on the map using the figure 2.

Figure 2

25
3902

6540

6532

3901000m.N.

6520

36

RESTON, VIRGINIA—1983

454000m.E.

35°15'
111°30'