

Test

1. A theodolite is a ...for measuring angles in the horizontal, vertical planes and distances.

- a) modern machine;
- b) new means;
- c) well-known method;
- d) precision instrument.

2. Date that is used on the basis of theodolite with a help of ... method.

- a) stadia;
- b) direct;
- c) indirect;
- d) alternative.

3. There are ... parts of a theodolite of the first type.

- a) 26;
- b) 13;
- c) 16;
- d) 10.

4. There are ... parts of a theodolite of the second type.

- a) 21;
- b) 19;
- c) 11;
- d) 7.

5. Theodolite consists of a movable telescope mounted within ... perpendicular axes.

- a) 2;
- b) 3;
- c) 4;
- d) 5.

6. The synonym for the word “horizontal” axis is ...

- a) parallel;
- b) trunnion;
- c) vertical;
- d) curve.

7. The top is typically threaded with a 5/8" x 11 tpi screw thread.

- a) 5/8" x 11;
- b) 5/8" x 14;
- c) 5/8" x 13;
- d) 5/8" x 10.

8. A surveyor's tripod is a ... used to support any one of a number of surveying instruments, such as theodolites, total stations, levels or transits.

- a) method;
- b) device;
- c) machine;
- d) means.

9. There are ... main rules for a tripod setup.

a) 5;

b) 3;

c) 4;

d) 2.

10. There are ... main rules for seating and centering the theodolite.

a) 2;

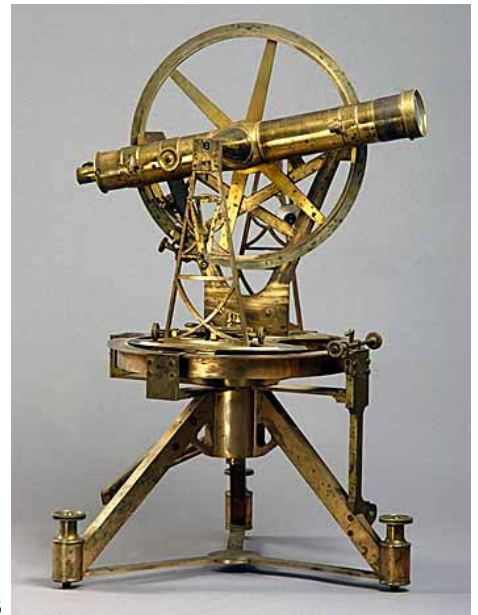
b) 3;

c) 4;

d) 5.

Answers:

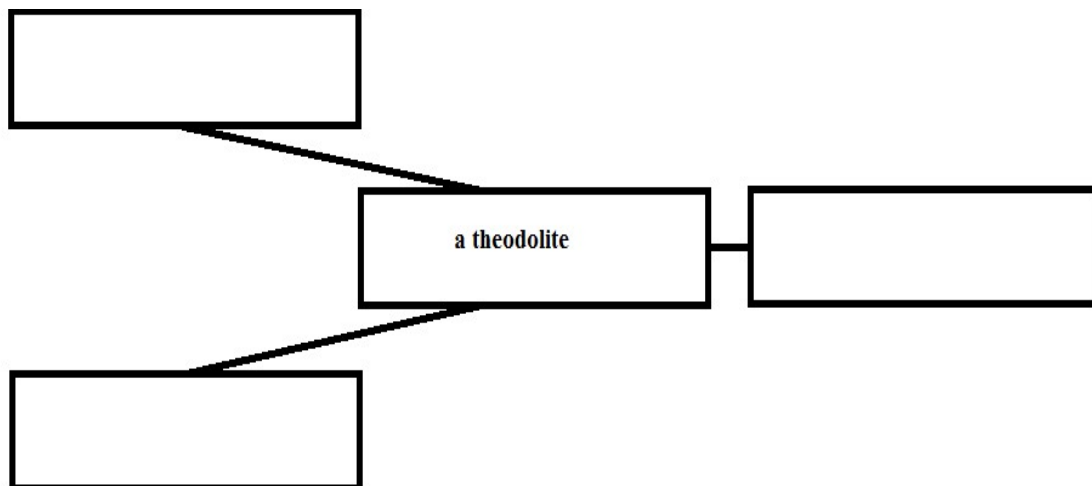
1) d; 2) a; 3) c; 4) b; 5) a; 6) b; 7) a; 8) b; 9) a; 10) a.



Additional tasks



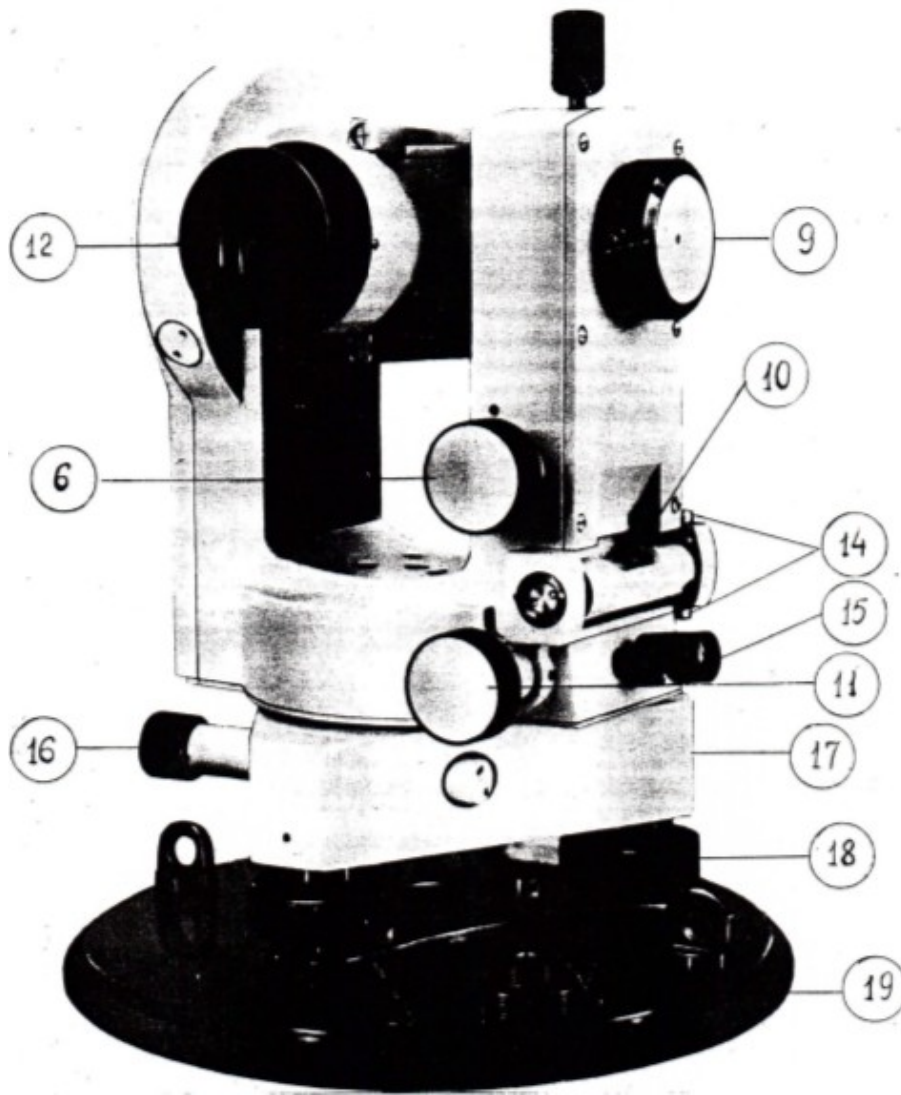
1. Fill in spidergram with the words associated with a theodolite.



2. Discuss and list the important parts of a theodolite using figure 1.

№	Parts of a theodolite
1.	
2.	
3.	

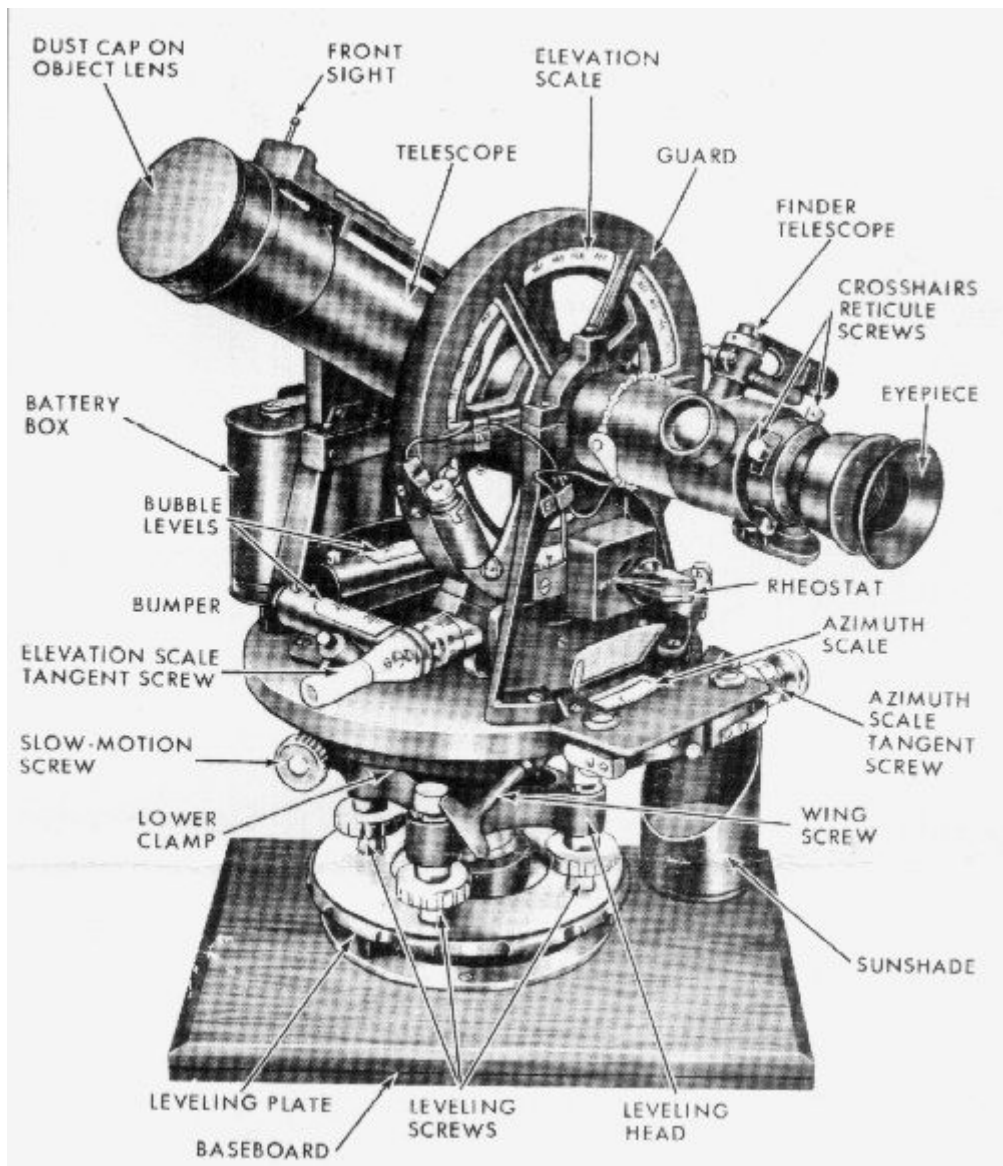
Figure 1.



3. Work in pairs.

Discuss with each other different types of a theodolite.

Figure 2.



Use as many expressions under study as possible.

Use the expressions of agreement and disagreement

Agreement 🗨️😊

I (fully) agree.

I am of the same opinion.

In a way, (in some ways) yes.

I suppose (expect \ believe) so.

I won't deny.

Disagreement 🗨️😞

I'm against it (object to).

You are wrong (mistaken).

There's something in what you say, but...

On the contrary.

I disagree with you (on that point)



4. Discuss and list the important parts of a theodolite using figure 3.

Figure 3.

