



XX Международная астрономическая олимпиада

XX International Astronomy Olympiad



Россия, Татарстан, Казань

15 - 23. X. 2015

Kazan, Tatarstan, Russia

Язык
language

English

Code of participant

Код участника

Draw number

Номер по жеребьевке

Observational round. Questions.
Planetarium

8. The Moon.

You have 3 minutes to read the problem.

Then accelerated animation of the Moon's motion will be shown twice during 4 minutes.

Moreover at the 2nd time the animation will be paused at the beginning and at the end.

After that you will have 2 minutes to write an answer.

Find out the month of the observation.

Answer:

9. Motion of the planets.

You have 2.5 minutes to read the problem.

Then an accelerated animation of the Sun's and planets's motion relative to stars will be shown twice during 5 minutes. Moreover at the 2nd time the animation will be paused at the beginning and at the end.

After that you will have 2 minutes to write the answers.

9.1. Estimate dates (+/- 1 week) of the beginning and of the end of the animation.

Answer:

9.2. Write, which constellations (their standard three-letter designation) the Mars and the Venus had passed.

Answer:



XX Международная астрономическая олимпиада

XX International Astronomy Olympiad



Россия, Татарстан, Казань

15 – 23. X. 2015

Kazan, Tatarstan, Russia

язык	<u>Русский</u>
language	
язык	<u>English</u>
language	

Code of participant Код участника

Draw number Номер по жеребьёвке

**Вопросы наблюдательного тура.
Облачное небо**

**Observational round. Questions.
Cloudy sky**

Наблюдения в телескоп

Observations with telescope

10. Очертание.

Недавно астрономы обнаружили новое рассеянное звёздное скопление.

10.1. Наведите телескоп на его копию. Зарисуйте конфигурацию «звёзд».

10. Outline.

Recently, astronomers have discovered a new open cluster.

10.1. Point the telescope to its copy. Draw configuration of the «stars».

Ответ:

Answer

10.2. Один из астрономов узнал в очертаниях скопления знакомое созвездие. Напишите его стандартное трёхбуквенное обозначение.

10.2. One of astronomers recognized familiar constellation in the outlines of the cluster. Write the standard three-letter designation of that constellation.

Ответ:

Answer

Максимальное время выполнения задания – 11 минут.

The maximum total time for all tasks is 11 minutes.