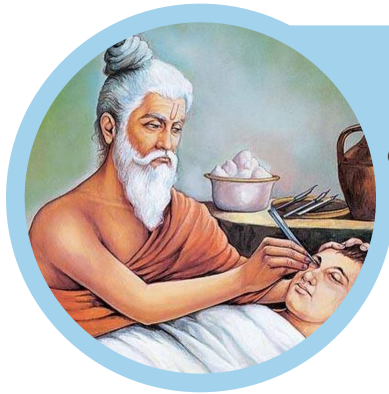


ROUND ABOUT

Worksheet - XI

Name: Class: Roll No:

A. Can you guess their answers from the clues?



.....
The oldest medical and surgical encyclopedia known to mankind.



.....
The first one to acknowledge the existence of solar system.



.....
The concepts of cloning, test-tubes babies and surrogate mothers.

जुग सहस्र जोजन पर भानु,
लील्यो ताहि मधुर फल जानू

The Sun which was at a distance of Twelve Thousand divine Miles,
You tried to swallow it (the Sun), thinking it to be a Sweet Fruit.

Satyuga = 4800 divine years
Treta-yuga = 3600 divine years
Dwapara-yuga = 2400 divine years
Kaliyuga = 1200 divine years
So, 1 divine Yuga is 12,000 divine years.
In Sanskrit, Sahasra means 1000 and 1 Yojana is equal to approximately 8 miles.
So, 12,000 x 1000 x 8 = 96,000,000 miles.
So 9,60,00,000 miles = 9,60,00,000 X 1.6 km = 153,600,000km.

Distance calculated by India in 18th century
153,600,000 km

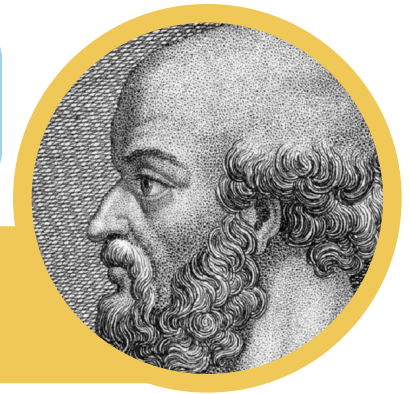
Distance calculated by NASA with latest technology
149,600,000 km

.....
The word to word translation of the book calculates the distance of sun.

.....
The calculated distance between earth & sun, hundreds of year before
www.sanskritisutra.wordpress.com



.....
Figured out gravity before the West found it.



.....
The first one to measure the circumference of earth.

B. Tick the correct option:

- 1 NASA also researches and publishes on
- | | |
|-------------------|-----------------------|
| (i) Precipitation | (ii) Weather Forecast |
| (iii) Humidity | (iv) Climate Change |

- 2 On 8 May 2008 recognized NASA as the first federal agency to directly use land fill gas.
- | | |
|-------------------------------|------------------------|
| (i) Meteorological Department | (ii) Environmental |
| (iii) NASA Sustainability | (iv) Protection Agency |

- 3 NASA's spacecraft 'Magellan' orbited and 'Messenger' orbited
- | | |
|----------------------|--------------------|
| (i) Mars, Mercury | (ii) Venus, Mars |
| (iii) Venus, Mercury | (iv) Mars, Jupiter |

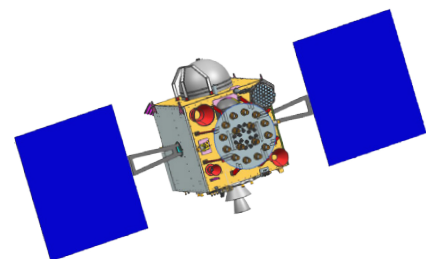
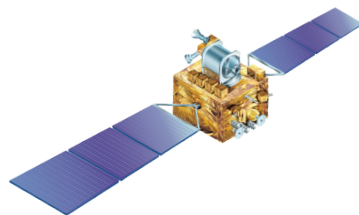
C. Name these satellites according to their functions:

..... is one of the largest domestic communication satellite systems in Asia-pacific region. This provides services in television broadcasting, weather forecasting and telecommunication.

..... has launched many operational remote sensing satellites starting with IRS-1A. The data from these satellites is used for several applications related to agriculture, water resources, forestry, ocean resources and disaster management.

ISRO has launched many e-mail satellites mainly for experimentation purpose. This includes

ISRO is also working faintly with AAI in establishing the GPS-aided Geo augmented navigation system. ISRO is establishing a regional satellite navigation system called



D. Answer in one word.



1. What is the change of movement with respect to time called?
2. The distance which is covered by a vehicle or object in a unit is
3. What do we call the time taken by the pendulum to complete one oscillation
4. What is the metallic ball in pendulum called?
5. Person who discovered pendulum
6. 4 types of motion
7. Which unit is used to measure a vehicle's speed?
8. Type of motion in a pedal of a cycle
9. The meter in vehicles which measures the speed
10. The meter in vehicles which measures the distance covered
11. Motion of an object moving in a straight line with a constant speed
12. What is a millionth of a second called?
13. What is a billionth of a second called?
14. What type of clock people used in the older times?
15. Which historical monument can tell us time by its shadow?