Prime Mystery

A boy spent Rs.100 in three different shops by buying something he required. When he returned home, he noticed that the rupees in three bill amounts are three different prime numbers. What are the amounts in rupees, when the difference between the two highest prices (prime numbers) is maximum and minimum?

Contributed by Dr. M. Meyyappan; Address: 74, Church I Street, New Town, Karaikudi-630001, Tamil Nadu; Email: meydhanam@gmail.com

There are three prizes of Rs 500/- each for three correct entries. In case of a large number of correct entries, the prize winners will be selected through a draw of lots. The decision of the Editor, Science Reporter will be final.

Name : ........................................................................................................................................
Address : ........................................................................................................................................
........................................................................................................................................  Pin code : ..............
Age : ......  Email : ..................................................................................................................
Sex : ........

Occupation:  

☐ Student  ☐ Housewife  ☐ Teacher
☐ Professional  ☐ Retired  ☐ Other

Educational level:  

☐ Primary  ☐ Secondary
☐ Graduate  ☐ Postgraduate

Send your entries to:
Puzzle Corner
Editor, Science Reporter
CSIR-NISCAIR
Dr KS Krishnan Marg,
Pusa Campus
New Delhi-110012

Last date for the entries to reach us:
01-02-2018

• Please fill up the questionnaire at the back
• You can send your answers on a photocopy of this page as well.
Moons Puzzle

Fill the names of the moons of our solar system across with the help of clues given below, finally forming Jupiter’s moon in dark boxes downwards which is the largest moon in the solar system.

Clues:
1. The only prograde irregular moon of Uranus.
2. A retrograde irregular moon of Neptune that has the second most eccentric orbit.
3. The largest moon of Saturn.
4. A retrograde irregular moon of Jupiter that is also known as Jupiter-XXIX.
5. Very small moon of Saturn lying between the orbits of Mimas and Enceladus.
6. The third closest inner moon of Neptune.
7. The innermost moon of Uranus.
8. The smaller and outer of Mars’ two moons.

Contributed by Farheen Tabassum, C/o Azhar Qamar, 15/123-A, Abbasi Gali, Soro Katra, Shahganj, Agra (U. P.) – 282010

Fill in the Blanks

1. Which of the following technological developments came first: Telegraph, Teletype, Telescope, Telephone? __________
2. In which country was World Wide Web invented? __________
3. Moths (insects) belong to order __________
4. Jurassic period is named after the __________
5. Geodesic dome was invented by? __________
6. When was the first plastic made of artificial materials? __________

Contributed by Mrs. Seetha Devi Addanki, Teacher (Bio-Sciences), St. Joseph’s Public School, A. G. Palace, Malakpet, Hyderabad-500036

Solutions to the puzzles published in the November 2017 issue:

PRIZE PUZZLE:
You can be a detective

Weighing 1: Put 6 balls in left and 6 balls in right. Separate the heavy 6 balls.

Weighing 2: From heavy 6 balls, put 3 balls in left and 3 balls in right. Separate the heavy 3 balls.

Weighing 3: From the heavy 3 balls, again put 1 ball in left and 1 ball in right.
If it is balanced the ball outside will contain the diamond. If not the heavy ball will contain the diamond.

TOXIN SEARCH

LAB SAFETY SIGNS

1. Radioactive Hazard
2. Irritant
3. Flammable
4. Explosive
5. Environmental Hazard
6. Corrosive
7. Biohazard
8. Toxic/Poisonous

The prize winners on the basis of draw of lots from among the correct entries are:

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Soham Saha, C/O Chandana Ghosh, South Block, Hatchery Road, Sripally, Burdwan-713103, Email Id- soham123gogol@gmail.com

Congratulations all the winners!