

Salutation to your solution!

- Sudhakar Attili.

1. Mohan's birthday is on February 29th. Do you know the importance of this day? Yes! That day comes once in every 4 years (during leap year). On a particular year his birthday came on Wednesday. After how many years does he celebrate his birthday on Wednesday again?
2. If $1A99B$ is divisible by 36, find the values of A & B.
3. (a) There are 4 different shapes having same perimeter namely a Circle, Pentagon, Triangle and a Square. Can you figure out the order having largest area to smallest area? (b) If the areas of the four shapes namely Square, Triangle, Circle and Pentagon are same, tell the sequence of the shapes in the order of their perimeter from largest to smallest.
4. There are 720 students in a school. 45% of them like Mathematics, 60% like Science, 70% like Social studies. 15% like both Mathematics and Science. 35% like both Science and Social studies. 20% like both Mathematics and Social studies. 5% like all the three subjects. Can you find how many of the students like (i) only Mathematics? (ii) only Science? (iii) only Social studies? (iv) How many of them don't like any one of the subjects?
5. There is a building 160 ft high. One person dropped an article from the top. At the same time another person from the foot of the building shot that object with a gun vertically upside with a velocity of 128ft/sec. If the acceleration due to gravity is 32ft/sec^2 , when and where do the bullet and object meet? Assume both the persons are of same height.

You can send your answers either by post or by e-mail to the below address on or before December 15th.

Mailing Address:

Editor, Sanghamitra,
12450 Lyric Ct.
Saint Louis,
MO 63146.

e-mail : susri@sanghamitra.org

Do you know?

If you take 2 apples from a basket having 10, how many apples do you have?

You will have only two, which you picked.