Question9\_Prithvi

Fibonacci had six children namely Akshay, Akshit, Amogh, Dhrubo, Gautam, and Soumik.

One fine day, he took all his children to the tri annual check up.

Dhrubo, the eldest of all, found out that he increased his weight by a whopping 13 kgs in just four months and now weighed 85 kgs. Twins Akshit and Soumik who were born two years ago weighed 10 and 11 kilos respectively. Amogh weighed 21 less than Gautam who inturn weighed 32 kgs more than Akshay. Akshay weighed the same as Akshit and Soumik put together. Akshay, who recently learned to sum numbers liked to be the centre of attention among his brothers.

Noticing their weights, their father made the following pattern and asked them to find the hidden message.

With one digit/alphabet written inside each triangle.

The following is the way the characters were given:

2

2 P 1

5 H 3 C 1

3 N 8 V 1 E 1

5 R 13 O 5 I 1 T 0

On observing closely, Akshay could see a hidden message in it. He challenged his brothers to figure the hidden word. In order to help them, he gave them four options of which, one is the word that they are looking for (in a jumbled manner):

a)PHNVOI

b)NOCETH

c) RVCONT

d)PRITHV

Solution:

Option b)

When put in the right sense, will give TECHNO.

Key: their weights , the name of the father.

From the above two, we can infer that their weights are made of fibonnaci digits. If we sum the digits (Akshay loves to sum numbers) of a person’s weight, we get the third Fibonacci number. Given that he likes to be the centre of attention, he would naturally see the centre of the 4 triangles which had the Fibonacci numbers corresponding to their brother’s weights and the 3rd Fibonacci number. This gives us, TECHNO. One alphabet for each Brother.