Sanghamitra Solutions - Winners October 2008 Issue

# **Solutions & Winners**

Kids' 'X' Word Solution

<sup>1</sup> M	<sup>2</sup> A	<sup>3</sup> Y	$\times$	<sup>4</sup> A	⁵G	<sup>6</sup> Е	<sup>7</sup> D
°o	R	Е	$\times$	9 <b>I</b>	N	Т	0
10 V	М	L	<sup>11</sup> E	R	1	0	N
<sup>12</sup>	Υ	ш	D	$\times$	13 R	N	Α
Ε	$\times$	140	0	15 Z	Е	$\times$	Т
X	16 <b>T</b>	w	1	N	E	$\times$	Е
17 L	18 <b>A</b>	$\times$	D	$\times$	<sup>19</sup> T	20 	$\times$
S S	Р	Υ	$\boxtimes$	<sup>22</sup> N	S	Р	Ī

The clue for 7-Across is not necessary. Sorry for the mistake.

## **Kids Challenge!**

Did you find the word? It is "SPRING".

### Smart kids:

- 1. Tarun, New Jersey.
- 2. D. Aditya, Lucknow.
- 3. Sravya Ainapurapu, St. Louis.

### **Kids' 'X'word Winners:**

- 1. D. Aditya, Lucknow.
- 2. Sravya Ainapurapu, St. Louis.

## Salutation to your solution! - Answers

#### 1. 99.

**Solution:** For finding winner, 99 players should loose the match. Each one of them should paly atleast one match to loose. So 99 matches are required to decide the winner.

2. **Solution:** The gardener takes 5ft stick and measures three times to get 15ft long rope. He then takes out 7ft using 7ft stick. Now he is left with 8ft.

#### 3. 119.

**Solution:** To start with, let us take the condition 'when divided by 5 gives a reminder 4. So the number should be of kind 14, 24, 34 etc. or 19, 29, 39 etc. But the number when divided by 2 gives a reminder 1. So the number should be of the form 19, 29, 39 etc. But the number is divisible by 7. So the set of valid numbers are 49, 119 etc. This number when divided by 3 should give a reminder 2. So 119 is the right answer.

#### 4. 23 sweets.

**Solution:** We need to solve this problem starting from backwards. There are 2 sweets left. Suresh took half of the previously left over sweets and a half sweet. So he took 3 sweets, leaving 2 sweets. All together 5. Now Naresh took 6, left 5. So there were 11 sweets. Ramesh took 12 and left 11. So, there were 23 sweets.

#### 5.961.

**Solution:** Square root of 961 is 31. Square root of (reversed number 961) 169 is 13. Here 31 can be obtained by reversing 13.

### **Salutation to your solution! - Winners:**

- 1. Sarada Shonti, Kakinada, India. 3. Vaasanti Maghapu, California.
- 2. T. Anoop, East Godavari, India.
  4. Ravi Bhagavatula, Chicago.

### Question Gallery! - We ourselves disclosing answers!!

- 1. Panuganti Lakshmi Narasimharao is known by the name Andhra Shakespeare.
- 2. George Bernard Shaw wrote "Cesar and Cleopatra".
- 3. Jog falls are located near Mysore, shimoga district, Karnataka.
- 4. Pisa tower is located in Italy.
- 5. The capital of Indonesia is Jakarta.
- 6. Pyknometer is an instrument used to measure the density of liquids and Expansion coefficient(vyakocha gunakam). This enables the density of a fluid to be measured accurately, by reference to an appropriate working fluid such as water or mercury, using an analytical balance.
- 7. One Furlong is equal to 220 yards or 660 ft.
- 8. Symbol of Manganese is Mn.
- 9. Shyam Benegal is a well known director in Indian film industry.
- 10. The word 'Corner Kick' is used in Football.

### **Question Gallery! – Winners:**

- 1. Ravi Bhagavatula, Chicago.
- 3. Vaasanti Maghapu, California.
- 2. T. Anoop, East Godavari Dt.

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# Return good for evil

For a bowl of water give a goodly meal;
For a kindly greeting bow thou down with zeal;
For a simple penny pay thou back with gold;
If thy life be rescued, life do not withhold;
Thus the words and actions of the wise regard;
Every little service tenfold they reward.
But the truly noble know all men as one,
And return with gladness good for evil done.

(A Gujarati didactic stanza, taken from 'The story of my experiments with truth' by M.K.Gandhi.)