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AUGUST

Thursday

2017

# Addition & Subtraction tricks using Vedic method

$$1) \quad \begin{array}{r} 198 \\ (+13) \end{array} - \begin{array}{r} 87 \\ (+13) \end{array}$$

$$211 - 100$$

$$= 111$$

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Step: 1) If we add 13 to 87, it would become 100 & so the calculation becomes easier.

So, to balance the equation, we add 13 to 198 also.

2) Now, do the calculation.

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Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
-	-	-	-	-	-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	-	-	-	-	-

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$$\begin{array}{r} 2) \quad 658 - 76 \\ \quad \quad \quad + \quad \quad \quad + \\ \quad \quad 24 \quad \quad \quad 24 \\ \hline \end{array}$$

$$\begin{array}{r} 682 - 100 \\ = 582 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 1245 - 989 \\ \quad \quad \quad + \quad \quad \quad + \\ \quad \quad 11 \quad \quad \quad 11 \\ \hline \end{array}$$

$$\begin{array}{r} 1256 - 1000 \\ = 256 \\ \hline \end{array}$$

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Sunday

Alternative Method

$$\begin{array}{r} i) \quad 456 - 324 \\ 4-3 \mid 5-2 \mid 6-4 \\ \quad \quad 1 \mid 3 \mid 2 \\ \quad \quad \quad = 132 \\ \quad \quad \quad \hline \end{array}$$

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
-	-	-	-	-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	-	-	-	-	-	-	-

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Tuesday

- 1) 1st term of the 1st no  
— 1st term of the 2nd
- 2) 2nd no  
— 2nd term of the 1st no
- 3) 3rd no  
— 3rd term of the 1st no
- 4) Do the carry-forward technique if needed.

$$\begin{aligned}
 &2) 15,382 - 7056 \\
 &\Rightarrow 15,382 - 07056 \\
 &= 11-0 \mid 5-7 \mid 3-0 \mid 8-5 \mid 2-6 \\
 &= 1 \mid -2 \mid 3 \mid 3 \mid -4 \\
 &= 1 \mid -2 \mid 3 \mid 2 \mid 10-4 \\
 &= 1 \mid -2 \mid 3 \mid 2 \mid 6 \\
 &= 0 \mid 8 \mid 3 \mid 2 \mid 6 = \underline{8326}
 \end{aligned}$$

JUL 2017	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					

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## Another method

$$\begin{aligned}
 &1) 500 - 159 \\
 &(500 + 0 + 0 - 100 - 50 - 9) \\
 &(500 - 100) + (0 - 50) + (0 - 9) \\
 &400 - 50 - 9 \\
 &= \underline{341}
 \end{aligned}$$

Step:

1) Break down the number into smaller number. 10 Thursday

$$\begin{aligned}
 &2) 746 - 399 \\
 &(700 + 40 + 6) - (300 + 50 + 9) \\
 &= (700 - 300) + (40 - 50) + (6 - 9) \\
 &= 400 - 10 - 43 \\
 &= \underline{347}
 \end{aligned}$$

SEP 2017	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						

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- Step 1: 1) 1st term of the 1st no  
 — 1st term of the 2nd no  
 2) 2nd term of the 1st no  
 — 2nd term of the 2nd no  
 3) 3rd term of the 1st no  
 — 3rd term of the 2nd no

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Tuesday

4) Do the carry-forward technique if needed.

$$2) 15,382 - 7096$$

$$\Rightarrow 15,382 - 07096$$

$$= 11-0 | 5-7 | 3-0 | 8-9 | 2-6$$

$$= 1 | -2 | 3 | 3 | -4$$

$$= 1 | -2 | 3 | 2 | 10-4$$

$$= 1 | -2 | 3 | 2 | 6$$

$$= 0 | 8 | 3 | 2 | 6 = 8326$$

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Another method

$$1) 500 - 159$$

$$(500 + 0 + 0 - 100 - 50 - 9)$$

$$(500 - 100) + (0 - 50) + (0 - 9)$$

$$400 - 50 - 9$$

$$= 341$$

Step 1:

1) Break down the number into smaller numbers.

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$$2) 746 - 399$$

$$(700 + 40 + 6) - (300 + 50 + 9)$$

$$= (700 - 300) + (40 - 50) + (6 - 9)$$

$$= 400 - 10 - 3$$

$$= 347$$

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$$\begin{aligned}
 3) & 18954 - 16421 \\
 & = (18000 + 900 + 54) - \\
 & \quad (16000 + 400 + 21) \\
 & = (18000 - 16000) + (900 - 400) \\
 & \quad + (54 - 21) \\
 & = 2000 + 500 + 33 \\
 & = \underline{\underline{2533}}
 \end{aligned}$$

# 12

Saturday

Addition tricks

$$1) 576 + 969$$

$$\begin{array}{r}
 576 \\
 + 969 \\
 \hline
 14 \\
 13 \\
 \hline
 15 \\
 \hline
 1545
 \end{array}$$

Step : 1) Arrange the numbers vertically.

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Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
-	-	-	-	-	-	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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2) For every addition, leave one position from the left side.  
3) Add up the number.

$$\begin{array}{r}
 999 \\
 787 \\
 \hline
 16 \\
 176 \\
 \hline
 1786
 \end{array}$$

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Monday

Alternative method

$$\begin{aligned}
 1) & 545 + 279 + 773 \\
 & (500 + 40 + 5) + (200 + 70 + 9) \\
 & \quad + (400 + 70 + 3) \\
 & = (500 + 200 + 400) \\
 & \quad + (40 + 70 + 70) \\
 & \quad + (5 + 9 + 3)
 \end{aligned}$$

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
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$$= 1100 + 180 + 17$$

$$= 1297$$

step: 1) Break down the number  
2) Add them up.

### Addition of Decimals

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$$1) 0.1 + 0.11 + 0.111 + 0.1111$$

①      ②      ③      ④

These are decimal numbers  
So, the answer is reverse.  
 $0.4321$ .

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						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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$$2) 0.2 + 0.22 + 0.222 + 0.2222$$

①      ②      ③      ④

These are decimal numbers  
Last becomes first & first becomes last.

$$(2 \times 4) \quad (2 \times 3) \quad (2 \times 2) \quad (2 \times 1)$$

$$= 8 \quad 6 \quad 4 \quad 2$$

Since these are decimal numbers,  
decimals should be  
put after the 4th digit  
from the right.  
 $0.8642$ .

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$$3) 0.3 + 0.33 + 0.333$$

①      ②      ③

$$3 \times 3 \quad 3 \times 2 \quad 3 \times 1$$

$$= 0.963$$

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18	19	20	21	22	23

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