

3 MARCH

Friday

2017

steps:1) The number which is closest to $\sqrt{38}$ is ($\sqrt{36} = 6$)2) write $6 + \dots$ (A)3) Now, $\frac{38-36}{6 \times 2}$

$$= \frac{2}{12} = \frac{1}{6} = 0.16 \quad (B)$$

4

Saturday

n) Now add 0.16 to 6
Answer = 6.16.

2) $\sqrt{910} = \sqrt{900}$

$$= 30 + \dots \quad (A)$$

$$\text{Now, } \frac{910 - 900}{30 \times 2} = \frac{10}{60} = 0.16 \quad (B)$$

So, Answer is $30 + 0.16 = 30.16$ FEB
2017

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	-	-	-	-	-	-	-	-	-	-	-	-

MARCH 5

Sunday

2017

Square root of a perfect no

$1^2 = 1$

$2^2 = 4$

$3^2 = 9$

$4^2 = 16$

$5^2 = 25$

$6^2 = 36$

$7^2 = 49$

$8^2 = 64$

$9^2 = 81$

$10^2 = 100.$

6

Monday

1) $\sqrt{3969}.$

Last digit is 9.
From the table above,
397 are the numbers
associated with 9, which
is in the unit's place.

So, (3) or (7) would
be at the unit's place.

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	-	-	-	-	-	-

APR
2017

7 MARCH

Tuesday

2017

Now, Consider the first 2 digits
39.

The perfect square less than
39 is $6^2 = 36$.

So, multiply 6 with the
next number, i.e., 7
 $6 \times 7 = 42$.

8 But $42 > 39$.

Wednesday

So, choose the smaller
number.

So, the answer is 63

FEB
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	-	-	-	-	-	-	-	-	-	-	-

MARCH

9

Thursday

2017

2) $\sqrt{6724}$

First digit is 8.

From the table,
2 9 8 are the nos. associated
with 4, which is in the
units place. — A.

Now, Consider the
first 2 digits,
67.

10

Friday

The perfect square less
than 67 is $8^2 = 64$. — B.

So multiply 8 with the
next number, i.e., 8×9
 $= 72$.

But $72 > 67$.

So, choose the smaller no.
So, the answer is 82

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	-	-	-	-	-	-

APR
2017

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Thursday

2017

Another method of Square Root

$1^2 = 01$

$2^2 = 04$

$3^2 = 09$

$4^2 = 16$

$5^2 = 25$

$6^2 = 36$

$7^2 = 49$

$8^2 = 64$

$9^2 = 81$

$10^2 = 100$

24

Friday

1) $\sqrt{6724}$

This number lies between 80^2 and 90^2 .Since, the unit place is 4,
the nos. associated with
have 2 or 8.

FEB 2017	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
15	20	21	22	23	24	25	26	27	28	-	-	-	-	-

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Saturday

2017

Now, the middle no.
between 80^2 & 90^2 is 85^2

So, $85^2 = 7225$.

But, $6724 < 7225$.

So, consider the smaller no.

Out of 82 & 88 ,
Answer is 82

26

Sunday

2) $\sqrt{5041}$

The unit's place is 1.
So, the nos. associated with
1 are 1 and 9. 5041 lies between 70^2 & 80^2 Now, the middle no.
between 70^2 & 80^2 is 75^2 .

So, $75^2 = 5625$

But $5041 < 5625$

So, out of 71 and 79 , 71 is right

APR 2017	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