

19 APRIL

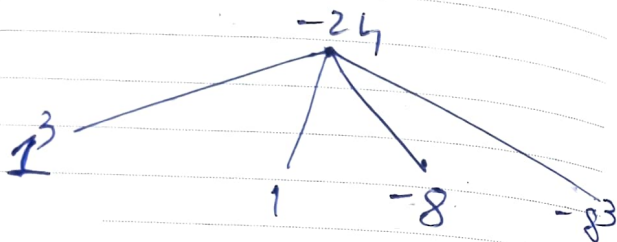
Wednesday

b) $(992)^3$.

2017

$\Rightarrow (1000 - 8)^3$
Now, $1 \times -8 \times 3 = -24$.

So, we have



20

Thursday

$\Rightarrow 1 | -24 | +192 | -512$

$\Rightarrow 1 | -24 | +191 | 1000 - 512$

$\Rightarrow 1 | -24 | 191 | 488$

$\Rightarrow 0 | 1000 - 24 | 191 | 488$

$\Rightarrow 0 | 976 | 191 | 488$

$\Rightarrow 976191688 //$

MAR 2017

| 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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| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | - | - | - | - | - | - | - | - |

APRIL 21
Friday

2017

CUBE ROOT OF A NUMBER

REMEMBER

Any no. ending in 1, 4, 9, 6, 5, then same number will be used for calculation.

$1^3 = 1$
 $2^3 = 8$
 $3^3 = 27$
 $4^3 = 64$
 $5^3 = 125$
 $6^3 = 216$
 $7^3 = 343$
 $8^3 = 512$
 $9^3 = 729$
 $10^3 = 1000$

22

Saturday

1) $\sqrt[3]{39304}$

lies between

3^3 and 4^3

So, take the smaller no.

\downarrow
3

So, the answer is 34

| 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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| - | 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 | - | - | - | - | - | - | - | - | - | - |

MAY 2017

23 APRIL

Sunday

2017

$$2) \sqrt[3]{68921}$$

68 lies between 4^3 and 5^3 .
Always take the smaller no.
So, 4 is chosen.

So, answer is 41

24

Monday

Cube root of a 6-digit no.

$$\sqrt[3]{592704}$$

- Form pairs of 3.
- Last digit in the second pair is 4.
- So, as per rule as shown previously, we will use

MAR
2017

| Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
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| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | | | | | | | | |

APRIL 25

Tuesday

2017

It only for calculation.

Now, look at the first pair.
It is 592. It lies between 8^3 and 9^3 .
So, always take the smaller number.
So, 8.

∴ The no. is 84

Cube root of a 9-digit no. - 26

Wednesday

$$a) \sqrt[3]{324252703}$$

Form three pairs

Last digit of the last pair = 3.
So, from the table 7 corresponds to 3.
So, L = last digit = 7. — ①

First pair = 324.
It lies between 6^3 & 7^3 .
Consider the smaller no = 6. — ②

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MAY
2017

27 APRIL

Thursday

2017

So, $F = \text{first no} = 6$ $L = \text{last no} = 7$

we have to find the middle number

So, look at the last pair!

It is 703 -

Now it corresponds to the last no = 7.

28

Friday

$$\begin{array}{r} 703 \\ - 73 \\ \hline \end{array}$$

$$= 703$$

$$- 343$$

$$= 6 \quad (\text{you have to look only at the middle column})$$

So, number = 6.

So, number = 6.

MAR
2017

| 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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APRIL 29

Saturday

2017

Now, use the formula.

$$3L^2M = \text{number}$$

\swarrow \searrow
 Last no middle no.

$$3(7)^2M = 6$$

$$3 \times 49 \times M = 6$$

$$147 \times M = 6$$

In 147, take the last digit.

$$7 \times M = 6$$

30

Sunday

Now, the value of M which when multiplied with 7, gives a number which ends in 6.

So, we have $7 \times 8 = 56$

So, the Middle number = $M = 8$.

∴ The answer is 687

| 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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| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | - | - | - | - | - | - | - | - | - | - |

MAY
2017

1

MAY

Monday

$$b) \sqrt[3]{\begin{array}{ccc} 994 & 011 & 992 \\ \hline F & M & L \end{array}}$$

2017

In 992, the last digit is 2
which corresponds to 8^3 .

So, $L = 8$. — ①

Now, first pair, 994
lies between 9^3 & 10^3 .

2

Tuesday

So, consider the smaller
no.

$F = 9$. — ②

For finding M, let us
consider the last pair

$$\begin{array}{r} 992 \\ - 8^3 \\ \hline \end{array}$$

$$\begin{array}{r} = 992 \\ - 512 \\ \hline \end{array}$$

⑤ consider only the

APR
2017

| 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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MAY

3

Wednesday

2017

middle column.

Now, the formula is

$$3L^2M = \text{number}$$

$$3 \times 8^2 \times M = 8$$

~~$$1896 \times M$$~~

$$192 \times M = 8$$

In 192, take the last digit

$$2M = 8$$

4

Thursday

Now, the value of M
which when multiplied
with 2 or 9, gives a number
which ends in 8.

Now, F, which is 994
lies between 9^3 & 10^3 .
ie 729 and 1000.

So, 994 is closer to 1000.

So, we have to take the bigger no.

So, consider the bigger no.
9. So, answer is 998

| Sat, Mar 23, 2024 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
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| 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | - | - | - | - | - | - | - | - | | | |

JUN
2017