15 JULY
Saturday

2017

3) 8, 11, 16.

- Highest no = 16.
- Check whether the remaining nos are multiple of 16 or not
- No. 11 is a prime no & not the multiple of 16
- So, LCM = 16 × 11
= 176

16
Sunday

JUN 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	-	-	-	-	-	-	-	-

JULY 17
Monday

2017

HCF

It is always less than or equal to the given number

1) 8, 12.
Difference = 12 − 8
= 4.

Both 8 and 12 are divisible by 4.

So, HCF = 4.

2) 21, 35
- Difference = 35 − 21
= 14.
= 2 × 7.
- 2 does not divide 21 & 35.
So, we discard 2.
- 7 divides both 21 & 35

So, HCF = 7

18
Tuesday

AUG 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	-	-	-	-	-	-	-	-	-

19 JULY
Wednesday

2017

3) 27, 32

Difference = 32 − 27
= 5.

5 doesn't divide 27 and 32
So, we discard 5
And HCF = 1.

4) 35, 45, 50. —— A

20
Thursday

In case of 3 numbers we find the difference between.
192, 293, 391.

So, Difference:
35 − 45, 45 − 50, 35 − 50
⇒ 10, 5, 15
(we ignore the minus sign)

Now,
least difference = 5.

5 divides all the nos.
HCF = 5 //

JUN 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	-	-	-	-	-	-	-	-

JULY 21
Friday

2017

5) 150, 210, 300 —— A

Difference = 60, 90, 150.
least difference = 60.

60 = 2 × 3 × 2 × 5 —— I.
2 divides all the nos in A.

So, $\frac{150}{2}, \frac{210}{2}, \frac{300}{2}$

75, 105, 150. —— B

22
Saturday

Now, 5 divides all the nos in B

$\frac{75}{5}, \frac{105}{5}, \frac{150}{5}$

15, 21, 30 —— C.

Now 3 divides all the numbers in C.

$\frac{15}{3}, \frac{21}{3}, \frac{30}{3}$

5, 7, 10 —— D

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	-	-	-	-	-	-	-	-	-

AUG 2017

11 JULY
Tuesday
2017

LCM

It is always greater than or equal to the given number.

1) 5, 10, 25, 50.

- Pick up the highest number i.e 50.

12
Wednesday

- Now check whether the remaining numbers are the multiples of 50.
- Yes. 5, 10, 25 are the multiples of 50.

So, LCM = the largest no
= 50

JUN 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	-	-	-	-	-	-	-	-

JULY 13
Thursday
2017

2) 3, 9, 12, 18.

- The highest no. is 18.
- Whether all the remaining nos. are multiples of 18.
- No. 12 is not the multiple of 18.
- So, Now, the next multiple of 18 is $18 \times 2 = 36$.
- Now, see whether 12 is the multiple of 36 or not.

14
Friday

- Yes.
- So, LCM = 36

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	-	-	-	-	-	-	-	-	-

AUG 2017