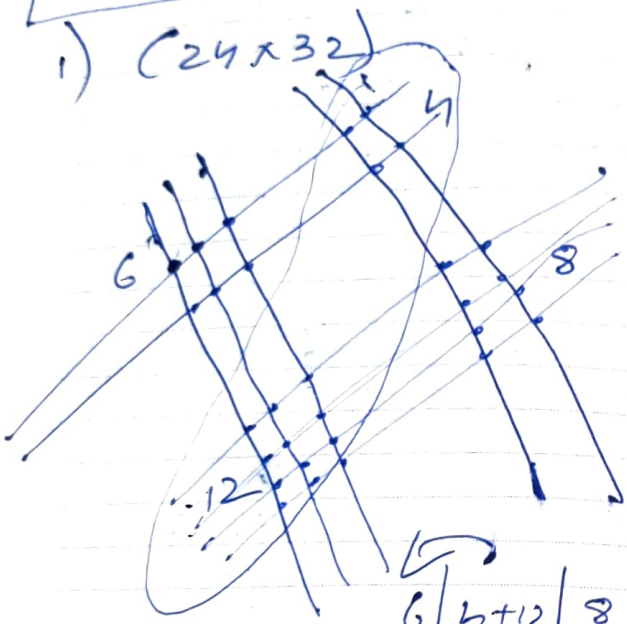
JAPANESE METHOD OF MULTIPLICATION

1) (24 x 32)



6 | 4+12 | 8

= 6 | 16 | 8

= 768

Steps:

1) For 24, the first digit is 2

So, draw 2 vertical lines side by side.

The next digit is 4.
So, again draw 4 vertical line side by side, but at a distance from the origend 2 vertical line drawn.

2

Saturday

Both these vertical line should be drawn at an angle.

2) For 32, repeat the procedure, but the line should be drawn horizontally at an angle.

3) Mark the point of intersection

2017

4) Foreg:

For 8,
just write 8 in the rightmost position.

Add, (4+12). because they are in the same line and with the total just before 8.

4
Monday

Then write 6, in the leftmost position.

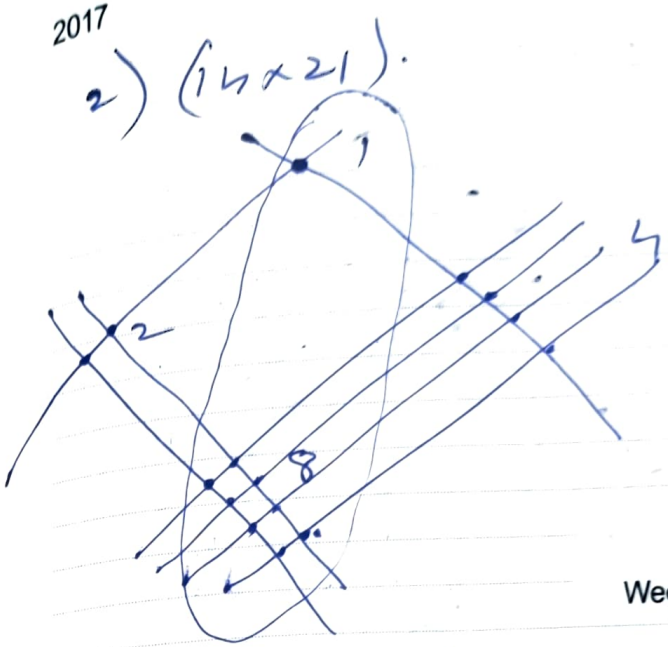
5) Using the carry forward technique, get the answer.

6|16|8.

- write 8 as it is
- Then in 16, write 6 and carry forward 1
- Then in 6, add 1

2017

2) (14×21).



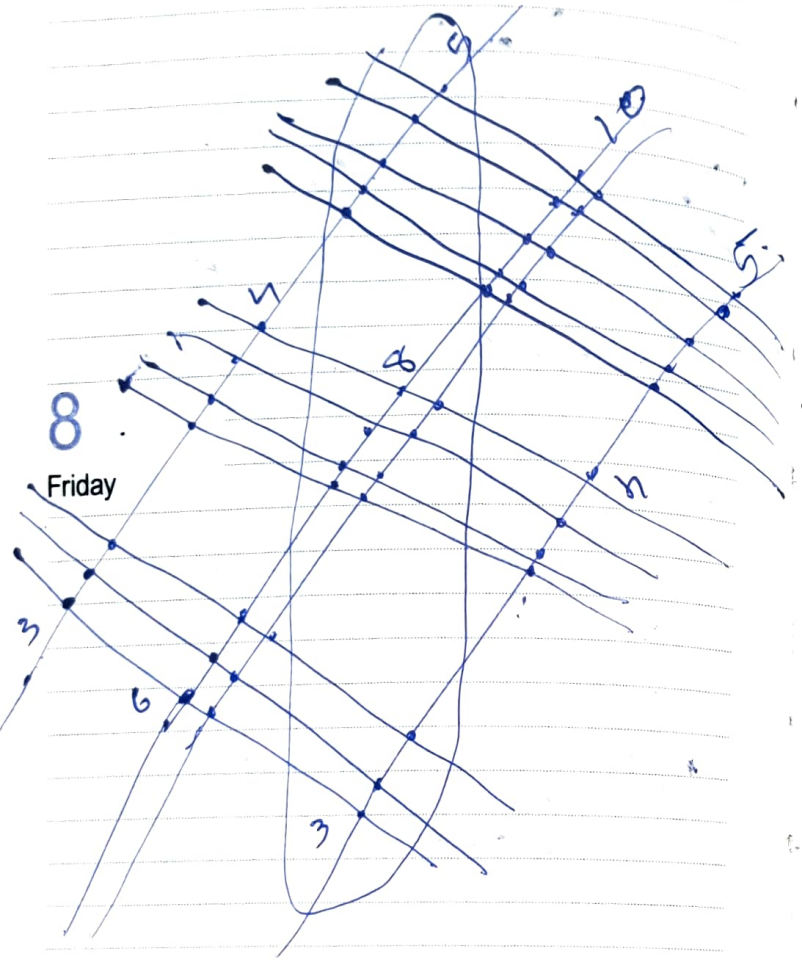
6
Wednesday

2|8+1|4

= 294

Note: 8 & 1 are in the same line.
So, we add them

3) (121 × 345).



8
Friday

So, we get,

3 | 4+6 | 5+8+3 | 10+4 | 5
= 3 | 10 | 16 | 14 | 5
= 41,745.

Note:

10 & 4 are in the same line
So, we add them.

10
Sunday

5, 8, 3 are in the same line
So, we add them

4 & 6 are in the same &
So, we add them.

Finally, use the carry-forward technique to get to the answer.