

AUGUST 2025

M	T	W	T	F	S	S
				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

JULY

27th Week • 184-181

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2  
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03

THURSDAY

Hitherto we have considered only positive numbers; and there can be no doubt, but the products which we have seen are also positive: viz.  $+a$  by  $+b$  must necessarily give  $+ab$ . But we must separately examine what the multiplication of  $+a$  by  $-b$ , and of  $-a$  by  $-b$ , will produce.

Let us begin by multiplying  $-a$  by 3 or  $+3$ . Now, since  $-a$  may be considered as a debt, it is evident that if we take that debt three times, it must thus become three times greater, and consequently the required product is  $-3a$ .

So if we multiply  $-a$  by  $+b$ , we shall obtain  $-ba$ , or, which is the same thing,  $-ab$ . Hence, we conclude, that if a positive quantity be multiplied by a negative quantity, the product will be negative.

Multiplication as repeated addition works only when the first no. is a +ve integer.

You must be the change you want to see in the world. - Mahatma Gandhi.