

HW  
5.7.21

Ex - 9. (B)

①



⑥. 54 can be also written as =

$$1 \times 54 = 54$$

$$2 \times 27 = 54$$

$$3 \times 18 = 54$$

$$6 \times 9 = 54$$

$$9 \times 6 = 54$$

Here  $9 - 6 = 3$

So, the two numbers which differ by 3 and whose product is 54 is 6 and 9.

⑦.  $7007 = 7000 + 7$   
 $= 7 \times (1000 + 1) = 7 \times 1001$

So 7007 is divisible by 7.

⑧. So,  $2300023 = 2300000 + 23$   
 $= (100000 + 1) \times 23$   
 $= 2300000 + 23$   
 $= 2300023$

So 2300023 is divisible by 23.

⑨. i) 11011  
 $= 11000 + 11$   
 $= (1000 + 1) \times 11$   
 $= 11011$

So, 11011 is divisible by 11.

(2)

$$\begin{aligned} \text{ii.) } 110011 &= \cancel{10000} + 110000 + 11 \\ &= (10000 + 11) \times 11 \\ &= 110011 \end{aligned}$$

So, 110011 is divisible by 11.

$$\begin{aligned} \text{iii.) } 11000011 &= 11000000 + 11 \\ &= (1000000 + 1) \times 11 \\ &= 11000011 \end{aligned}$$

So 11000011 is divisible by 11.

$$\begin{aligned} \text{(10.) i.) } 1608 &= 1600 + 8 \\ &= (200 + 1) \times 8 \\ &= 1608 \end{aligned}$$

So, 1608 is divisible by 8

$$\begin{aligned} \text{ii.) } 56008 &= 56000 + 8 \\ &= (7000 + 1) \times 8 \\ &= 56008 \end{aligned}$$

So 56008 is divisible by 8

$$\begin{aligned} \text{iii.) } 240008 &= 240000 + 8 \\ &= (30000 + 1) \times 8 \\ &= 240008 \end{aligned}$$

So 240008 is divisible by 8