



Playing With Numbers Ex 5.3 Q4

Answer :

$$B + 1 = 8, B = 7$$

$$A + B = 1, A + 7 = 1, A = 4$$

$$\text{So, } A = 4, B = 7$$

Playing With Numbers Ex 5.3 Q5

Answer :

$A + B = 9$ as the sum of two digits can never be 19

$2 + A = 0$, A must be 8

$A + B = 9$, $8 + B = 9$, $B = 1$

So, $A = 8$, $B = 1$

Playing With Numbers Ex 5.3 Q6

Answer :

If $A + B = 8$, $A + B \geq 9$ is possible only if $A = B = 9$

But from $7 + B = A$, $A = B = 9$ is impossible

Surely, $A + B = 8$, $A + B \leq 9$

So, $A + 7 = 9$, Surely $A = 2$

$7 + B = A$, $7 + B = 2$, $B = 5$

So, $A = 2$, $B = 5$

Playing With Numbers Ex 5.3 Q7

Answer :

0 is the only unit digit number, which gives the same 0 at the unit digit when multiplied by 4. So, the possible value of B is 0.

Similarly, for A also, 0 is the only possible digit.

But then A , B and C will all be 0.

And if A , B and C become 0, these numbers cannot be of two-digit or three-digit.

Therefore, both will become a one-digit number.

Thus, there is no solution possible.

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