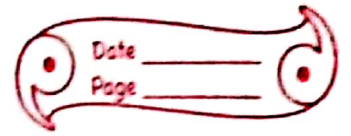


H.W
28/9/21

Playing With Numbers



Exercise 9(A)

Q5- $[18 - (15 \div 5) + 6]$

$$\begin{aligned} \text{Ans} &= [18 - (15 \div 5) + 6] \\ &= [18 - 3 + 6] \\ &= [24 - 3] \\ &= 21 \end{aligned}$$

Q6- $[(4 \times 2) - (4 \div 2)] + 8$

$$\begin{aligned} \text{Ans} &= [(4 \times 2) - (4 \div 2)] + 8 \\ &= [(4 \times 2) - 2] + 8 \\ &= [8 - 2] + 8 \\ &= 6 + 8 \\ &= 14 \end{aligned}$$

Exercise 9(c)

Q5- Find which of the following numbers are divisible by 9:

i) 1332

Ans. $1 + 3 + 3 + 2 = 9$

\therefore 9 is divisible by 9.

So, 1332 is also divisible by 9.

ii) 53247

Ans $\rightarrow 5 + 3 + 2 + 4 + 7 = 21$

= 21 is not divisible by 9.

\therefore 53247 is also not divisible by 9.

iii) 4968

Ans $\rightarrow 4 + 9 + 6 + 8 = 27$

= 27 is divisible by 9.

\therefore 4968 is also divisible by 9.

iv) 200314

Ans $\rightarrow 2 + 0 + 0 + 3 + 1 + 4 = 10$

= 10 is not divisible by 9.

\therefore 200314 is also not divisible by 9.

6. Which of the following numbers are divisible by 6.

i) 324

Ans \rightarrow 324 is divisible by 2 as the unit's place is 4.

$\rightarrow 3 + 2 + 4 = 9$ and 9 is divisible by 3.

\therefore 324 is also divisible by 6.

ii) 2010

Ans \rightarrow 2010 is divisible by 2 as the unit's place is 0.

$\rightarrow 2+0+1+0 = 3$, and 3 is also divisible by 3.
 \therefore 2010 is also divisible by 6.

iii) 33278

Ans \rightarrow 33278 is divisible by 2 as the unit's place is 8.

$\rightarrow 3+3+2+7+8 = 23$, and 23 is not divisible by 3.
 \therefore 33278 is also not divisible by 6.

iv) 15505

Ans \rightarrow 15505 is not divisible by 2 as the unit's place is 5.

So, without going further we can say that 15505 is not divisible by 6.

— x —

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