H.W
28/9/21

Playing With Numbers

Exercise 9(A)

Q5- $[18-(15\div5)+6]$

Ans = $[18-(15\div5)+6]$
$= [18-3+6]$
$= [24-3]$
$= 21$

Q6- $[(4\times2)-(4\div2)]+8$

Ans = $[(4\times2)-(4\div2)]+8$
$= [(4\times2)-2]+8$
$= [8-2]+8$
$= 6+8$
$= 14$

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 → 5 + 3 + 2 + 4 + 7 = 21

= 21 is not divisible by 9.

∴ 53247 is also not divisible by 9.

iii) 4968

Ans → 4 + 9 + 6 + 8 = 27

= 27 is divisible by 9.

∴ 4968 is also divisible by 9.

iv) 200314

Ans → 2 + 0 + 0 + 3 + 1 + 4 = 10

= 10 is not divisible by 9.

∴ 200314 is also not divisible by 9.

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

i) 324

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

→ 3 + 2 + 4 = 9 and 9 is divisible by 3.

∴ 324 is also divisible by 6.

ii) 2010

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

→ 2+0+1+0 = 3, and 3 is also divisible by 3.
∴ 2010 is also divisible by 6.

iii) 33278

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

→ 3+3+2+7+8 = 23, and 23 is not divisible by 3.
∴ 33278 is also not divisible by 6.

iv) 15505

Ans→ 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.

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