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Homework

Exercise – 9 (A)

5. $[18-(15\div5)+6]$

$= [18-3+6]$

$= [18+6-3]$

$= 24-3$

$= 21$

6. $[(4\times2)-(4\div2)]+8$

$= [8-2]+8$

$= 6+8$

$= 14$

Exercise – 9 (C)

5. Find which of the following numbers are divisible by 9:

(i) 1332 (ii) 53247 (iii) 4968 (iv) 200314

Solution:

(i) The given number = 1332

For a number to be divisible by 9, sum of

digit must be divisible by 9.
Sum of digits = 1+3+3+2 = 9
Since, 9 is divisible by 9.
Hence 1332 is divisible by 9.

(ii) The given number = 53247
For a number to be divisible by 9, sum of digit must be divisible by 9.
Sum of digits = 5+3+2+4+7 = 21
since, 21 is not divisible by 9.
Hence 53247 is not divisible by 9.

(iii) The given number = 4968
For a number to be divisible by 9, sum of the digit must be divisible by 9.
Sum of digits = 4+9+6+8 = 27
since, 27 is divisible by 9.
~~Here~~ Hence 4968 is divisible by 9.

(iv) The given number = 200324
For a number to be divisible by 9 sum of the digit must be divisible by 9.
Sum of digits = 2+0+0+3+2+4 = 10
Since 10 is not divisible by 9
Hence 200324, is not divisible by 9.

7. Find which of the following numbers are divisible by 5.

(i) 5080 (ii) 66666 (iii) 755 (iv) 9207

Solution :

(i) The given number = 5080
For a number to be divisible by 5, unit digit must be 0 or 5.
Here unit digit is 0.
Therefore 5080 is divisible by 5.

(ii) The given number = 66666
For a number to be divisible by 5, unit digit must be 0 or 5.
Here unit digit is 6.
Therefore 66666, is not divisible by 5.

(iii) The given number = 755
For a number to be divisible by 5, unit digit must be 0 or 5.
Here unit digit is 5.
Therefore 755, is divisible by 5.

(iv) The given number = 9267
For a number to be divisible by 5, unit digit must be 0 or 5.
Here unit digit is 7.
Therefore 9267, is not divisible by 5.

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