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Maths (H.W.)

Topic - Ex - 9A Q5 & Q6 , Ex - 9C Q5 & Q7

- Ex - 9A

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

$\Rightarrow [18 - 3 + 6]$

$\Rightarrow [24 - 3] = 21$

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

$\Rightarrow [8 - 2] + 8$

$\Rightarrow 6 + 8 = 14$

- Ex - 9C

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

i) 1332 : Divisibility by 9 is that a number is divisible by 9 if the sum of its digits is divisible by 9.

i) 1332 : A number is divisible ~~by~~ 9 by 9 if the sum of its digits is also divisible by 9 ~~9~~ 9.

The sum of the digits in the number 1332 = 1+3+3+2 = 9; which is divisible by 9. (9×1 = 9)

So, the number 1332 is also divisible by 9.

ii) 53247 : A number is divisible by 9 if the sum of its digit is also divisiby divisible by 9.

~~For~~ : The sum of the digits in the number 53247 = ~~5+3+2+4+7~~ = 5+3+2+4+7 = 21; which is not divisible by 9.

So, the number 53247 is also not divisible by 9.

iii) 4968 : A number is divisible by 9 if the sum of its ~~digits~~ digits is also divisible by 9.

The sum of the digits in the number 4968 = 4+9+6+8 = 27; which is divisible by 9. (9×3 = 27)

So, ~~the~~ the number 4968 is also divisible by ~~not~~ 9.

iv) 200314 : A number is divisible by 9 if ~~the sum~~ the sum of its digits is also ~~divisible~~ divisible by 9.

The sum of the digits in the number 2003314 = 2+0+0+3+3+1+4 = 10; which is not divisible by 9.

So, the number is also not divisible by 9.

Q7. Find which of the following numbers, ~~replace~~ are ~~divisible by 10~~, by 5.

i) 5080 : A number is divisible by 5 if its unit's place is 5 or 0.

As we can see, there is 0 at the last digit, in the number 5080.

So, the number is divisible by 5

ii) 66666 : A number is divisible by 5 if its unit's place is 5 or 0.

As we can see, there is no 5 or 0 at the unit's place in the number 66666.

So, the number is not divisible by 5.

iii) 755 : A number is divisible by 5 if its unit's place is 5 or 0.

As we can see, there is 5 at the last digit in the number 755.

So, the number is divisible by 5

The sum of the digits in the number 2003314 = 2+0+0+3+1+4 = 10; which is not divisible by 9.

So, the number is also not divisible by 9.

Q7. Find which of the following numbers, ~~replace~~ are divisible ~~by 10~~, by 5.

i) 5080 : A number is divisible by 5 if its unit's place is 5 or 0.

As we can see, there is 0 at the last digit, ~~is 0~~ in the number 5080.

So, the number is divisible by 5

ii) 66666 : A number is divisible by 5 if its unit's place is ~~5 or 0~~. 5 or 0.

As we can see, there is no 5 or 0 at the unit's place in the number 66666.

~~So~~, So, the number is not divisible ~~by~~ by 5.

iii) 755 : A number is divisible by 5 if its unit's place is 5 or 0.

As ~~we or~~ we can see, there is 5 at the last ~~do~~ digit in the number 755.

So, the number is divisible by 5

iv) 9207 : A number is divisible by 5 if its unit's ~~place~~ place is 5 or 0.

~~As~~ As we can see, there is no 5 or 0 at the ~~unit's~~ unit's place in the number 9207.

So, the number is not divisible by 5.

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