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Date Interpretation Info Chart Questions for IBPS RRB SCALE-I PRE Exams.

DI Info Chart Quiz 55

Directions : Study the following information carefully and answer the questions given beside.

The following information is about number of bikes and cars that were serviced in a garage in five consecutive weeks A, B, C, D and E.

Total 81 cars were serviced in weeks A and B together which was 15 less than the number of bikes serviced in week C. 20% less bikes were serviced in week C than week A. Ratio of number of cars that were serviced in weeks B and D is 3:2. Thrice as many bikes were serviced in week B as number of cars serviced in week E, and similarly four times as many bikes were serviced in week C as number of cars serviced in week D. Total 134 vehicles were serviced in week E. 30% less bikes were serviced in week D than week B. Only 84 bikes were serviced in week E which is 200% of the number of cars serviced in week C.

1. Find the number of cars that were serviced in week B.

A. 45 B. 32 C. 36 D. 42 E. 24

2. How many vehicles were serviced in week C?

A. 138 B. 96 C. 42 D. 54 E. 128

3. Find the ratio of number of bikes serviced in week A to B.

A. 2 : 5 B. 2 : 3 C. 4 : 3 D. 4 : 5 E. 5 : 3

4. Find average number of bikes that were serviced in the five weeks.

A. 100 B. 120 C. 111 D. 105 E. 555

5. What is the sum of the difference between iPhones and IPads sold in March and the difference between the number of IPads and Macs sold in April?

A. 10% B. 12 C. $11\frac{1}{9}\%$ D. $10\frac{1}{9}\%$ E. 15%

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Correct Answers:

1	2	3	4	5
C	A	D	C	A

Common Explanation:

We first prepare a table as follows:

weeks	Bikes	Cars
A		
B		
C		
D		
E		
Total		

Total 81 cars were serviced in weeks A and B together which was 15 less than the number of bikes serviced in week C. 20% less bikes were serviced in week C than week A. Four times as many bikes were serviced in week C as number of cars in week D

Means, total 81 + 15 = 96 bikes were serviced in week C.

Bikes serviced in week A = 96/0.8 = 120

Let y cars were serviced in week B, then number of cars serviced in week A = (81 – y)

Number of cars serviced in week D = 96/4 = 24

Only 84 bikes were serviced in week E which is 200% of the number of cars serviced in week C. Total 134 vehicles were serviced in week E. Three times as many bikes were serviced in week B as number of cars serviced in week E.

Number of cars serviced in week C = 84/2 = 42

Number of cars serviced in week E = 134 – 84 = 50

Number of bikes serviced in week B = 50 × 3 = 150

30% less bikes were serviced in week D than week B.

Number of bikes serviced in week D = 0.7 × 150 = 105

Let us fill all this information in the table.

weeks	Bikes	Cars
A	120	(81 – y)
B	150	y
C	96	42
D	105	24
E	84	50
Total		

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Ratio of number of cars that were serviced in weeks B and D is 3 : 2.

Number of cars in week B = y = 3/2 × 24 = 36

Number of cars in week A = 81 – 36 = 45

Final table:

weeks	Bikes	Cars
A	120	45
B	150	36
C	96	42
D	105	24
E	84	50
Total	555	197

Explanations:

1. From final table, we see that 36 cars were serviced in week B.

Hence, option C is correct.

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2. From final table, we see that 96 + 42 = 138 vehicles were serviced in week C.

Hence, option A is correct.

3. From final table, we see that 120 : 150 = 4 : 5 bikes were serviced.

Hence, option D is correct.

4. From final table, we see that total 555 bikes were serviced, so average

= 555/5 = 11

Hence, option C is correct.

5. From final table, we see that 45 cars were serviced in week A while 50 in week E, thus

(50 – 45)/50 × 100 = 10% less cars were serviced in week A.

Hence, option A is correct.

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