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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. 446

B. 412

C. 386

D. 392

E. 422

Correct Answers:

1	2	3	4	5
D	B	C	D	B



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Common Explanation:

January : Total products = 120% (February) = 120% (600) = 720

IPads = 33.33% (720) = 240

Macs = 66.67% (IPads) = 66.67% (240) = 160

iPhones = 720 – 240 – 160 = 320

February : Total products = 600

IPads = 75% (Macs in Jan) = 75% (160) = 120

iPhones + Macs = 600 – 120 = 480

iPhones – Macs = 140

iPhones = 310 and Macs = 170

March :

IPads = Macs (January) = 160

Macs = IPads (February) = 120

iPhones = 65% → IPads + Macs = 35%

iPhones sold = $(160 + 120) \times \frac{65}{35} = 520$

Total products = 520 + 280 = 800

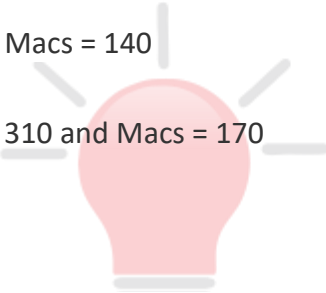
April : Total products = 108% (800) = 864

Total IPads sold = 684

IPads = 684 – 240 – 120 – 160 = 164

Macs = 25% (864) = 216

iPhones = 864 – 164 – 216 = 484



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Month	IPad	Mac	iPhone	Total
Jan	240	160	320	720
Feb	120	170	310	600
March	160	120	520	800
April	164	216	484	864
Total	684	666	1634	2984

Explanations:

1. From the following common explanation, we get

$$\text{Required difference} = 520 - 320 = 200$$

Hence, option D is correct.

2. From the following the common explanation, we get

$$\text{Total number of Macs and iPads sold in March} = 160 + 120 = 280$$

$$\text{Total number of Mac and iPhone sold in February} = 170 + 310 = 480$$

$$\text{Reqd. ratio} = 280/480 = 7/12$$

Hence, option B is correct.

3. From the following common explanation, we get

$$\text{Reqd. average} = 666/4 = 166.5$$

Hence, option C is correct.

4. From the following common explanation, we get

$$\text{Reqd. \%} = (484/800) \times 100 = 60.5\%$$

Hence, option D is correct.



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5. From the following common explanation, we get

Difference between iPhones and iPads sold in March = $520 - 160 = 360$

Difference between the number of iPads and Macs sold in April = $216 - 164 = 52$

Required sum = $360 + 52 = 412$

Hence, option B is correct.



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