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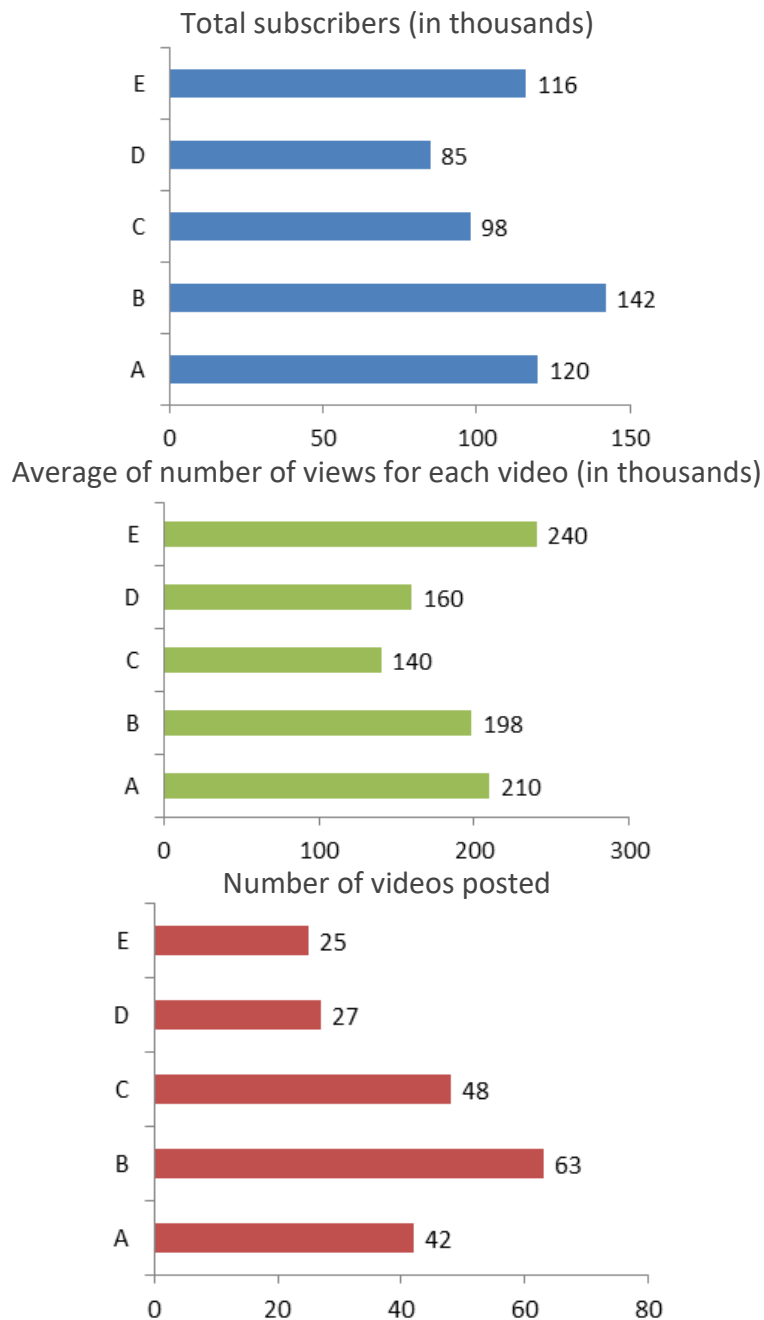IT'S YOUR TURN NOW
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The Question Bank

DI Bar Chart Questions for SBI Clerk Mains, IBPS Clerk Mains, RBI Assistant Mains, LIC AAO, SBI PO Pre, IBPS PO Pre and RRB Scale I Pre Exams.

DI Bar Chart No 56

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

The bar graphs provides information about the total number of subscribers of five different YouTube channels, total number of videos posted by each channel, and the average of number of views of each video till 31st May.

Total subscribers (in thousands)

Channel	Subscribers
E	116
D	85
C	98
B	142
A	120

Average of number of views for each video (in thousands)

Channel	Average views
E	240
D	160
C	140
B	198
A	210

Number of videos posted

Channel	Videos posted
E	25
D	27
C	48
B	63
A	42

1. Another YouTube channel F has the subscribers equal to the average of number of subscribers of all the given 5 YouTube channels. If 36% of subscribers of channel F are males then find the difference between the number of male subscribers and the number of female subscribers of channel F.

A. 32462   B. 33420   C. 31416   D. 29470   E. 35560

2. It is found that the total number of subscribers of channel B and channel E in the month of June was 180 thousand and 160 thousand, respectively. The number of male subscribers of channel B and channel E combined increases by 20% in June as compared to the total number of male subscribers of channel B and channel E combined till 31st May. If the total number of female subscribers of channel B and channel E combined till 31st May was 115 thousand, then find the increase in number of female subscribers of both channels combined in June as compared to the previous month.

A. 51600   B. 54200   C. 53400   D. 52700   E. 51100

3. Find the ratio of total views of all videos of channel D and channel E combined to the total views of all videos of channel B and channel C combined.

A. 1720 : 3199   B. 170 : 199   C. 1522 : 2179   D. 20 : 79   E. None of these

4. The ratio of the number of male subscribers to the number of female subscribers of channel D and channel E are 27 : 23 and 61 : 64, respectively. If 26% and 25% of male subscribers of channel D and channel E, respectively are below 20 years of age, then find the total number of male subscribers of channel D and channel E combined who are below 20 years of age.

A. 26086   B. 24120   C. 22452   D. 25648   E. 28128

5. The amount paid by YouTube per 1000 subscribers is Rs. 42 and per 10000 views is Rs. 85. Find the difference between the amount of money earned by channel A and channel B till 31st May.

A. Rs. 42246   B. Rs. 39040   C. Rs. 31983   D. Rs. 42578   E. Rs. 44212

Correct Answers:

1	2	3	4	5
C	C	A	A	C

Explanations:

1. Total subscribers of channel F

$$= \frac{120 + 142 + 98 + 85 + 116}{5} = \frac{561}{5} = 112.2 \text{ thousand}$$

Total male subscribers of channel F = 36% of 112200 = 40392

Total female subscribers of channel F = (112200 – 40392) = 71808

Required difference = (71808 – 40392) = 31416

Hence, option C is correct.

2. Total number of subscribers of channel B and channel E together till May = (142 + 116) = 258 thousand

Total number of female subscribers of channel B and channel E together till May = 115 thousand

Total number of male subscribers of channel B and channel E together till May = (258 – 115) = 143 thousand

Total number of male subscribers of channel B and channel E together in June = 120% of 143000 = 171600

Total number of female subscribers of channel B and channel E together in June = [(180000 + 160000) – 171600] = 168400

Therefore, the total number of female subscribers of channel B and channel E together increased in the month of June = (168400 – 115000) = 53400

Hence, option C is correct.

3. Total views of all videos of channel D = 160 × 27 = 4320 thousands

Total views of all videos of channel E = 240 × 25 = 6000 thousands

Total views of all videos of channel B = 198 × 63 = 12474 thousands

Total views of all videos of channel C = 140 × 48 = 6720 thousands

Required ratio = (4320 + 6000) : (12474 + 6720) = 10320 : 19194 = 1720 : 3199

Hence, option A is correct.

4.   Total number of male subscribers of channel D

$= \dfrac{85000}{50} \times 27 = 45900$

Total male subscribers of channel D who are below 20 years = 26% of 45900 = 11934

Total number of male subscribers of channel E = $\dfrac{116000}{125} \times 61 = 56608$

Total male subscribers of channel E who are below 20 years = 25% of 56608 = 14152

Therefore, total numbers of male subscribers of channel D and channel E combined who are below 20 years of age = (11934 + 14152) = 26086

Hence, option A is correct.

5.   The total amount of money earned by channel A through subscribers

$= \dfrac{120000}{1000} \times 42 = Rs.\ 5040$

The total amount of money earned by channel A through views = $\dfrac{210000}{10000} \times 85 \times 42 = Rs.\ 74970$

The total amount of money earned by channel A = Rs. (5040 + 74970) = Rs. 80010

The total amount of money earned by channel B through subscribers = $\dfrac{142000}{1000} \times 42 = Rs.\ 5964$

The total amount of money earned by channel B through views

$= \dfrac{198000}{10000} \times 85 \times 63 = Rs.\ 106029$

The total amount of money earned by channel B = Rs. (5964 + 106029) = Rs. 111993

Required difference = Rs. (111993 − 80010) = Rs. 31983

Hence, option C is correct.