



MISSION IBPS 2024



Maths

TOPIC BOOSTER



DATA INTERPRETATION (TABLE)



LIVE 11:00 AM



Table shows the classification of 80 person based on the behalf age of them in three different colony – A, B and C. **Maximum age = 100**, **Total person = 80**

COLONY	80 AND ABOVE AGE	60 AND ABOVE AGE	40 AND ABOVE AGE	20 AND ABOVE AGE	0 AND ABOVE AGE
A	4	12	70	75	80
B	3	18	40	75	80
C	7	15	35	60	80



Question 1- How many person have age 20 and above but less than 60 in all colony.

प्रश्न 1- सभी कॉलोनी में कितने व्यक्तियों की आयु 20 वर्ष या उससे अधिक लेकिन 60 से कम है।

- A. 165
- B. 125
- C. 145
- D. 212
- E. None of these

COLONY	80 AND ABOVE AGE	60 AND ABOVE AGE	40 AND ABOVE AGE	20 AND ABOVE AGE	0 AND ABOVE AGE
A	4	12	70	75	80
B	3	18	40	75	80
C	7	15	35	60	80



Colony	0 to 19	20-39	40-59	60-79	80-80 ⁺	
A	5	5	58	8	4	= 12
B	5	25	22	15	5	= 10
C	20	25	20	8	7	

No. of person = 65 + 100
= 165



Question 2- Number of person who got age 60 and above in C is what percentage of the number of person who got more than 60 and above age in A?

प्रश्न 2- C में 60 वर्ष और उससे अधिक आयु प्राप्त करने वाले व्यक्तियों की संख्या, A में 60 वर्ष और उससे अधिक आयु प्राप्त करने वाले व्यक्तियों की संख्या का कितना प्रतिशत है?

- A. 165%
- B. 125%
- C. 105%
- D. 212%
- E. None of these

COLONY	80 AND ABOVE AGE	60 AND ABOVE AGE	40 AND ABOVE AGE	20 AND ABOVE AGE	0 AND ABOVE AGE
A	4	12	70	75	80
B	3	18	40	75	80
C	7	15	35	60	80



$$\textcircled{1} \quad 60 \text{ \& above in C} = 8 + 7 \\ = 15$$

$$60 \text{ \& above in A} = 8 + 4 \\ = 12$$

$$\% = \frac{15}{12} \times 100 = 125\%$$



Question 3- To do a certain work minimum age in each colony is 40, then find the percentage of person eligible in C?

प्रश्न 3- एक निश्चित कार्य को करने के लिए प्रत्येक कॉलोनी में न्यूनतम आयु 40 वर्ष है, तो C में पात्र व्यक्ति का प्रतिशत ज्ञात कीजिये?

A. 41.755

B. 43.55%

C. 37.855

D. 43.75%

E. None of these

COLONY	80 AND ABOVE AGE	60 AND ABOVE AGE	40 AND ABOVE AGE	20 AND ABOVE AGE	0 AND ABOVE AGE
A	4	12	70	75	80
B	3	18	40	75	80
C	7	15	35	60	80



① no. of person in c = 25

Total in c = 80

$$\% = \frac{25}{80} \times 100$$

$$= \frac{175}{4} = \underline{\underline{43.75\%}}$$



Question 4- Find the ratio between the person who have less than 20 year age in all colony to the total person in A and B.

प्रश्न 4- सभी कॉलोनी में 20 वर्ष से कम आयु वाले व्यक्ति और A और B में कुल व्यक्ति के बीच अनुपात ज्ञात कीजिए।

- A. 2:15
- B. 1:16
- C. 4:13
- D. 3:16
- E. None of these

COLONY	80 AND ABOVE AGE	60 AND ABOVE AGE	40 AND ABOVE AGE	20 AND ABOVE AGE	0 AND ABOVE AGE
A	4	12	70	75	80
B	3	18	40	75	80
C	7	15	35	60	80



① Less than 20 in all colony = 30

$$\begin{aligned} \text{Sum in A \& B} &= 80 + 80 \\ &= 160 \end{aligned}$$

$$\text{Ratio} = 30 : 160$$

$$= \underline{\underline{3 : 16}}$$



Question 5- Total number of person having less than 40 years age in B is what percent more or less than the total number of person having age 60 and above in A and B both.

प्रश्न 5- B में 40 वर्ष से कम आयु वाले व्यक्तियों की कुल संख्या, A और B दोनों में 60 वर्ष और उससे अधिक आयु वाले व्यक्तियों की कुल संख्या से कितने प्रतिशत अधिक या कम है?

- A. 22.22%
- B. 11.11%
- C. 33.33%
- D. 24.55%
- E. None of these

COLONY	80 AND ABOVE AGE	60 AND ABOVE AGE	40 AND ABOVE AGE	20 AND ABOVE AGE	0 AND ABOVE AGE
A	4	12	70	75	80
B	3	18	40	75	80
C	7	15	35	60	80



① Less than 40 in B = 40
60 & above A & B = 30 } +10

$$\% = \frac{10}{30} \times 100$$

$$= \underline{\underline{33.33\%}}$$



The table given below shows the information about some article and there respective selling price, cost price etc. Some data is missing try to find out the answers with the help of this information.

NAME	MP:CP	DISCOUNT %	PROFIT IN RS
BOOKS	28:25	-	120 15
TABLE	-	8%	96
CHAIR	-	20%	-
PEN	7:5	-	-
PENCIL	21:16	-	30 60



Question 1- If the difference between the cost price and the marked price of pen is Rs 100 and profit earned is Rs 50. Find the ratio of the discount % and profit %.

प्रश्न 1- यदि कलम के क्रय मूल्य और अंकित मूल्य के बीच का अंतर 100 रु. है और अर्जित लाभ 50 रु. है। छूट% और लाभ% का अनुपात ज्ञात कीजिये।

- A. 4:5
- B. 7:5
- C. 6:5
- D. 7:15
- E. None of these

NAME	MP:CP	DISCOUN T %	PROFIT IN RS
BOOKS	28:25	-	15
TABLE	-	8%	96
CHAIR	-	20%	-
PEN	7:5	-	-
PENCIL	21:16	-	60



Question 2- The discount on pen is Rs 100 less than the profit earned by on pen. If the Marked price of pen is Rs 1400, find the discount %.

प्रश्न 2- पेन पर छूट अर्जित लाभ से 100 रुपये कम है। यदि पेन का अंकित मूल्य 1400 रुपये है, तो छूट ज्ञात कीजिये।

- A. 12.85%
- B. 17.85%
- C. 15.55%
- D. 20.44%
- ~~E.~~ None of these

NAME	MP:CP	DISCOUN T %	PROFIT IN RS
BOOKS	28:25	-	15
TABLE	-	8%	96
CHAIR	-	20%	-
PEN	7:5	-	-
PENCIL	21:16	-	60



$$\textcircled{1} \text{ MP} = ₹ 1400$$

Let profit = x

$$D = x - 100$$

$$\text{MP} : \text{CP} = 7 : 5$$

$$7 = ₹ 1400$$

$$5 = ₹ 1000$$

$$\text{CP} = ₹ 1000 \times 5$$

$$\text{CP} = ₹ 5000$$

$$\overset{\text{SP}}{1000 + x} = \overset{\text{SP}}{1400 - (x - 100)}$$

$$1000 + x = 1400 - x + 100$$

$$2x = 500$$

$$x = 250$$

$$D = 250 - 100$$

$$D = 150 \text{ ₹.}$$

$$D\% = \frac{150}{1400} \times 100 = \frac{15}{14} = 10.7\%$$

$$\text{SP} = \text{CP} + \text{P}$$

~~MP~~

$$\text{SP} = \text{MP} - D$$

$$D\% = \frac{D}{\text{MP}} \times 100$$



Question 3- If the Discount given on books is Rs 30, find the difference between the discount % and profit%.

प्रश्न 3- यदि पुस्तकों पर दी गई छूट 30 रु- है, तो छूट% और लाभ% के बीच का अंतर ज्ञात कीजिए।

- A. 3.1%
- B. 1.1%
- C. 2.1%
- D. 4%
- E. None of these

NAME	MP:CP	DISCOUN T %	PROFIT IN RS
BOOKS	28:25	-	15
TABLE	-	8%	96
CHAIR	-	20%	-
PEN	7:5	-	-
PENCIL	21:16	-	60



$$\textcircled{1} \text{ MP} = 28x$$

$$\text{CP} = 25x$$

$$\text{P} = 15 \text{ Rs.}$$

$$\text{D} = 30 \text{ Rs.}$$

$$25x + 15 = 28x - 30$$

$$+ 3x = + 45$$

$$\boxed{x = 15}$$

$$\text{MP} = 28 \times 15$$

$$\text{MP} = ₹ 420$$

$$\text{CP} = 25 \times 15$$

$$\text{CP} = ₹ 375$$

$$\text{D}\% - \text{P}\% = \frac{30}{420} \times 100 - \frac{15}{375} \times 100$$

$$= 7.1\% - 4\%$$

$$= \underline{\underline{3.1\%}}$$



Question 4- If the difference between the cost price and marked price of pencil is Rs 200 then find profit percent on selling price.

प्रश्न 4- यदि पेंसिल के क्रय मूल्य और अंकित मूल्य के बीच का अंतर 200 रुपये है तो विक्रय मूल्य पर लाभ प्रतिशत ज्ञात कीजिए।

- A. 5.5%
- B. 7.5%
- C. 9%
- D. 8.5%
- E. None of these

NAME	MP:CP	DISCOUN T %	PROFIT IN RS
BOOKS	28:25	-	15
TABLE	-	8%	96
CHAIR	-	20%	-
PEN	7:5	-	-
PENCIL	21:16	-	<u>60</u>



$$\textcircled{1} \text{ MP: CP} = 21:16$$
$$\underbrace{\hspace{10em}}_{5 = ₹ 200}$$
$$1 = ₹ 40$$

$$\text{CP } 16 = 40 \times 16 \quad \left| \quad \text{SP} = 640 + 60\right.$$
$$= ₹ 640 \quad \left| \quad = ₹ 700\right.$$

$$\text{P\% on SP} = \frac{60}{700} \times 100 = \underline{\underline{8.5\%}}$$



Question 5- If the selling price of chair is Rs 528 then find cost price of chair.

प्रश्न 5- यदि कुर्सी का विक्रय मूल्य 528 रुपये है तो कुर्सी का क्रय मूल्य ज्ञात कीजिए।

CMD

A. Rs 440

B. Rs 540

C. Rs 400

D. Rs 348

~~E. None of these~~ CMD

NAME	MP:CP	DISCOUN T %	PROFIT IN RS
BOOKS	28:25	-	15
TABLE	-	8%	96
CHAIR	-	20%	-
PEN	7:5	-	-
PENCIL	21:16	-	60



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रुक्ष्य बैच



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