

MBA PRO 2025 (CAT + OMETS)

Data Interpretation & Logical Reasoning

DPP: 2

Basics of Data Interpretation

Directions (1-5) Read the following passage and answer the given questions.

In MBAWallah, a certain number of students appeared for mock tests for five different exams: CAT, XAT, MAT, SNAP, and MH-CET. The following table shows the number of students who passed the mock tests and the percentage of students who failed in each exam.

Mock	Number of passed students	Percentage of failed students
CAT	290	90%
XAT	410	80%
MAT	600	70%
SNAP	870	80%
MH-CET	1000	60%

- Q1** What is the ratio of the total number of students who appeared for MAT to the total number of students who appeared for MH-CET?
- (A) 2 : 3 (B) 4 : 5
(C) 5 : 4 (D) 2 : 5
- Q2** Find the ratio of the difference between the number of passing students and failing students for CAT and XAT.
- (A) 261 : 164 (B) 29 : 41
(C) 232 : 123 (D) 41 : 35
- Q3** The number of students who appeared for SNAP is approximately what percent more than those who appeared for XAT?
- (A) 110% (B) 112%
(C) 120% (D) 125%
- Q4** What is the average number of students who appeared for a mock of all 5 categories?
- (A) 2760 (B) 2800
(C) 2700 (D) 2850

- Q5** Find the number of students who failed in XAT.

(A) 1660 (B) 1670
(C) 1650 (D) 1640

Directions (6-10) Read the following passage and answer the given questions.

The following table shows the number of students appeared for the following exams in the given years:

Year	CAT	XAT	SNAP	IIFT
2016	1945	800	2000	1600
2017	1860	1300	2500	1800
2018	2200	1890	2450	1850
2019	1540	1745	2310	1900
2020	1500	1635	1890	2100
2021	1860	1800	2200	2300
2022	2000	2500	2500	2400

- Q6** What is the average number of students who appeared for different exams in 2019 ? [Round off to nearest integer]
- (A) 1870 (B) 1872
(C) 1871 (D) 1874
- Q7** If it is expected that the number of students who appeared for CAT, XAT, SNAP and IIFT in 2023 increased by 10% compared to previous year, then find the ratio of number of students who appeared for CAT in 2023 to IIFT in 2023 ?
- (A) 6 : 5 (B) 5 : 6
(C) 11 : 12 (D) 12 : 11
- Q8** What is the average of the average of all students who appeared for all exams from 2016 to 2022?
- (A) 13594 (B) 1942
(C) 7768 (D) 54375

Q9



The number of students who appeared for XAT in 2017 is what percent of the average no of students who appeared for XAT from 2016 to 2022.

- (A) 75% (B) 78%
(C) 80% (D) 82%

Q10 What is the average number of students who appeared for SNAP from 2016 to 2021?

- (A) 2225 (B) 2226
(C) 2265 (D) 2264

Directions (11-15) Read the following passage and answer the given questions.

The table given below shows the total number of matches (Test + One-day and T-20) played by five different players Sachin, Kohli, Rohit, Dhawan and Dhoni and it also shows the number of Test matches and One-day matches played by those five players.

Player/Cricket Format	Total Matches	Test matches	One day matches
Sachin	664	200	463
Kohli	371	77	227
Rohit	327	27	206
Dhawan	212	34	128
Dhoni	529	90	341

Q11 Who among the following four players played the maximum number of T-20 matches?

- (A) Sachin (B) Kohli
(C) Rohit (D) Dhawan

Q12 What is the average of the total number of Test matches played by all the five players together?

- (A) 81.6 (B) 82.5
(C) 83.4 (D) None of these

Q13 What is the ratio between the total number of Test matches played by Sachin to the total number of One-day matches played by Dhawan?

- (A) 36 : 25 (B) 25 : 16
(C) 16 : 9 (D) 5 : 4

Q14 The number of T-20 matches played by Sachin is what percent of the number of T-20 matches played by Dhawan?

- (A) 2% (B) 2.5%
(C) 4% (D) 4.5%

Q15 What is the difference between the total number of Test and One-day matches together played by Kohli and the total number of Test and One-day matches together played by Rohit?

- (A) 51 (B) 91
(C) 81 (D) 71



Answer Key

Q1 (B)
Q2 (C)
Q3 (B)
Q4 (A)
Q5 (D)
Q6 (D)
Q7 (B)
Q8 (B)

Q9 (B)
Q10 (A)
Q11 (C)
Q12 (D)
Q13 (B)
Q14 (A)
Q15 (D)



[Android App](#)

| [iOS App](#)

| [PW Website](#)

Hints & Solutions

Note: scan the QR code to watch video solution

Q1. Text Solution:

In CAT, 90% fail and 10% pass,

$$10\% = 290$$

Number of student who appeared for CAT Mock

$$100\% = 29 \times 100 = 2900$$

Similarly one can find for the remaining ones, then the final table will be,

Mock	Number of Pass students	Percentage of failed students	Number of failed students	Total number of students
CAT	290	90%	2610	2900
XAT	410	80%	1640	2050
MAT	600	70%	1400	2000
SNAP	870	80%	3480	4350
MH-CET	1000	60%	1500	2500

Required ratio = 2000:2500 = 4:5

Video Solution:



Q2. Text Solution:

In CAT, 90% fail and 10% pass,

$$10\% = 290$$

Number of student who appeared for CAT Mock

$$100\% = 29 \times 100 = 2900$$

Similarly one can find for the remaining ones, then the final table will be,

Mock	Number of Pass students	Percentage of failed students	Number of failed students	Total number of students
CAT	290	90%	2610	2900
XAT	410	80%	1640	2050
MAT	600	70%	1400	2000
SNAP	870	80%	3480	4350
MH-CET	1000	60%	1500	2500

Required difference for CAT = 2610-290 = 2320

Required difference for XAT = 1640-410 = 1230

Required ratio = 2320:1230 = 232:123

Video Solution:



Q3. Text Solution:

In CAT, 90% fail and 10% pass,

$$10\% = 290$$

Number of student who appeared for CAT Mock

$$100\% = 29 \times 100 = 2900$$

Similarly one can find for the remaining ones, then the final table will be,

Mock	Number of Pass students	Percentage of failed students	Number of failed students	Total number of students
CAT	290	90%	2610	2900
XAT	410	80%	1640	2050
MAT	600	70%	1400	2000
SNAP	870	80%	3480	4350
MH-CET	1000	60%	1500	2500

Required percentage

$$= \frac{4350-2050}{2050} \times 100 = 112\%$$

Video Solution:



Q4. Text Solution:

In CAT, 90% fail and 10% pass,

$$10\% = 290$$

Number of student who appeared for CAT Mock

$$100\% = 29 \times 100 = 2900$$



Android App

iOS App

PW Website

Similarly one can find for the remaining ones, then the final table will be,

Mock	Number of Pass students	Percentage of failed students	Number of failed students	Total number of students
CAT	290	90%	2610	2900
XAT	410	80%	1640	2050
MAT	600	70%	1400	2000
SNAP	870	80%	3480	4350
MH-CET	1000	60%	1500	2500

Required Average = $\frac{2900+2050+2000+4350+2500}{5} = 2760$

Video Solution:



Q5. Text Solution:

In CAT, 90% fail and 10% pass,

$$10\% = 290$$

Number of student who appeared for CAT Mock

$$100\% = 29 \times 100 = 2900$$

Similarly one can find for the remaining ones, then the final table will be,

Mock	Number of Pass students	Percentage of failed students	Number of failed students	Total number of students
CAT	290	90%	2610	2900
XAT	410	80%	1640	2050
MAT	600	70%	1400	2000
SNAP	870	80%	3480	4350
MH-CET	1000	60%	1500	2500

As per the table, the number of students who failed in XAT are 1640.

Video Solution:



Q6. Text Solution:

Required average =

$$\frac{1540 + 1745 + 2310 + 1900}{4} = 1873.75$$

Approximately = 1874.

Video Solution:



Q7. Text Solution:

Number of expected appearing students in CAT

$$2023 = 2000 \times 1.1 = 2200$$

Number of expected appearing students in IIFT

$$2023 = 2400 \times 1.1 = 2640.$$

$$\text{Required ratio} = 2200 : 2640 = 5 : 6$$

Video Solution:



Q8. Text Solution:

For CAT =

$$\frac{1945+1860+2200+1540+1500+1860+2000}{7}$$

$$\frac{12905}{7} = 1843.57$$

Similarly, we can calculate for the remaining exams

$$\text{XAT} = 1667.14$$

$$\text{SNAP} = 2264.28$$

$$\text{IIFT} = 1992.85$$

Average of all the average =

$$\frac{1843.57+1667.14+2264.28+1992.85}{4} = 1941.96$$

= Approximately (1942).

Video Solution:



[Android App](#)

| [iOS App](#)

| [PW Website](#)

**Q9. Text Solution:**

Number of student who appeared for XAT in

2017 = 1300

Average number of students who appeared for
XAT from 2016 to 2022 = 1667.14

Required %

$$= \frac{1300}{1667.14} \times 100 = 77.97\%$$

Video Solution:**Q10. Text Solution:**

Required average =

$$\frac{2000 + 2500 + 2450 + 2310 + 1890 + 2200}{6} = 2225.$$

Video Solution:**Q11. Text Solution:**

The number of T-20 matches played by Sachin =
 $664 - 200 - 463 = 1$

The number of T-20 matches played by Kohli =
 $371 - 77 - 227 = 67$

The number of T-20 matches played by Rohit =
 $327 - 27 - 206 = 94$

The number of T-20 matches played by Dhawan
 $= 212 - 34 - 128$

$= 50$

Hence, from the given options, **Rohit** played the
maximum number of T-20 matches.

Hence, option C is the answer.

Video Solution:**Q12. Text Solution:**

The total number of Test matches played by all
the players together

$= 200 + 77 + 27 + 34 + 90$

$= 428$

Required average $= \frac{428}{5} = 85.6$

Hence, option D is the answer.

Video Solution:**Q13. Text Solution:**

The number of test matches played by Sachin =
200

The number of One-day matches played by
Dhawan = 128

Required ratio $= 200 : 128 = 25 : 16$

Hence, option B is the answer.

Video Solution:**Q14. Text Solution:**

[Android App](#)

| [iOS App](#)

| [PW Website](#)

The number of T-20 matches played by Sachin
= 664 - 200 - 463
= 1

The number of T-20 matches played by Dhawan
= 212 - 34 - 128
= 50

Required percentage = $\frac{1}{50} \times 100 = 2\%$

Hence, option A is the answer.

Video Solution:



Q15. Text Solution:

The total number of Test and One-day matches
played by Kohli
= 77 + 227 = 304

The total number of Test and One-day matches
played by Rohit
= 27 + 206 = 233

Required difference = 304 - 233 = 71

Hence, option D is the answer.

Video Solution:



[Android App](#)

| [iOS App](#)

| [PW Website](#)