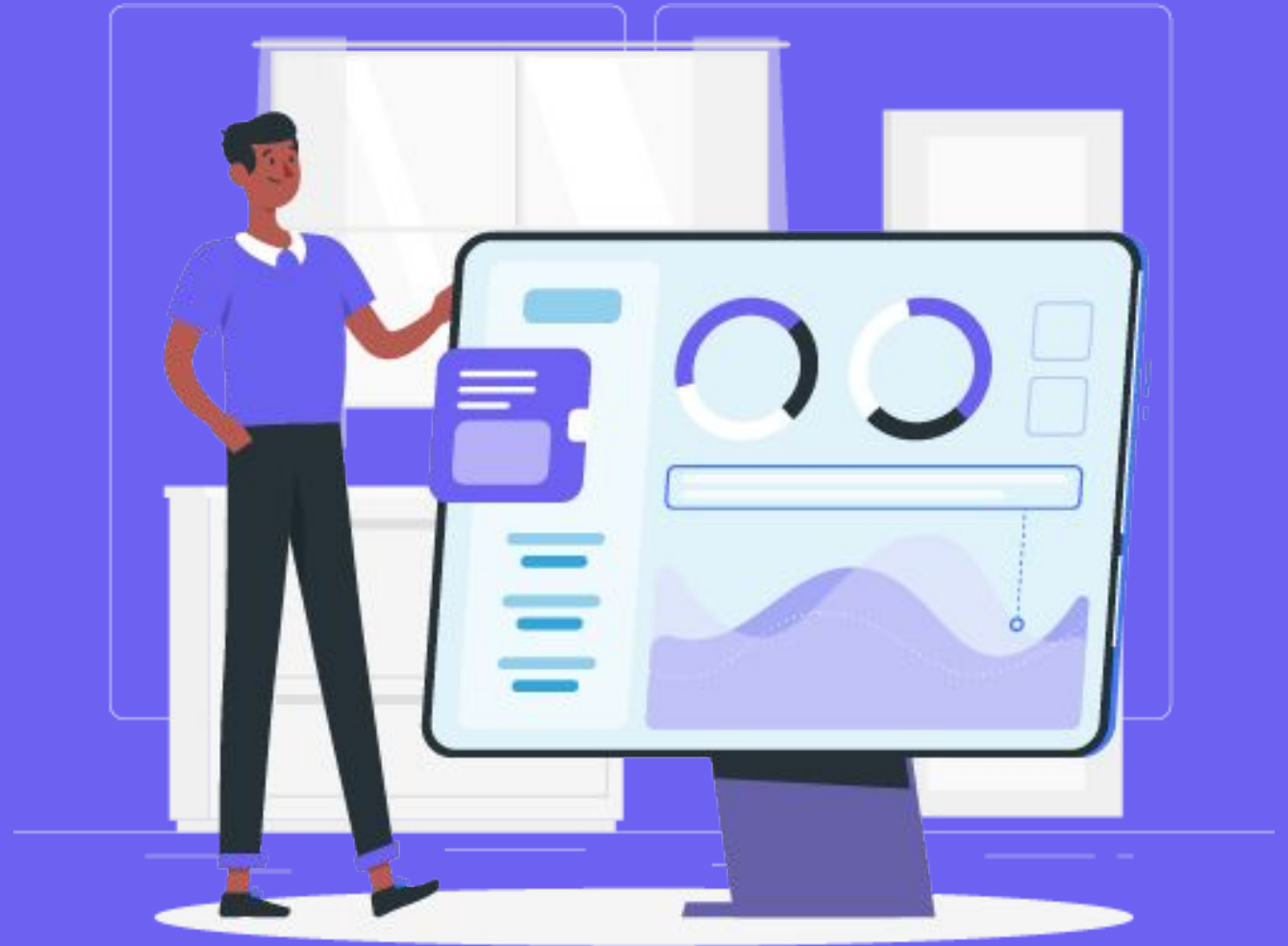# CASELETS AND TABLES

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A. The table mentions the number of students (in hundreds) participating in different games from six different schools.

Schools	Number of students in hundreds				
	Chess	Cricket	Football	Badminton	Volleyball
P	15	21	24	0.8	0.9
Q	12.4	13	26	2	0.5
R	5.7	8	12	0.3	0.2
S	11.3	6	18	1	1.5
T	17	12.4	11	3	0.4
U	14	10.5	9.8	0.7	0.1

1. In football, what is the average number of students who participated?

A. 1675

B. 1680

C. 1600

D. 1690

E. 1569

A. The table mentions the number of students (in hundreds) participating in different games from six different schools.

Schools	Number of students in hundreds				
	Chess	Cricket	Football	Badminton	Volleyball
P	15	21	24	0.8	0.9
Q	12.4	13	26	2	0.5
R	5.7	8	12	0.3	0.2
S	11.3	6	18	1	1.5
T	17	12.4	11	3	0.4
U	14	10.5	9.8	0.7	0.1

2. By approximately what percent is the number of all badminton participants is less than participants in Cricket?
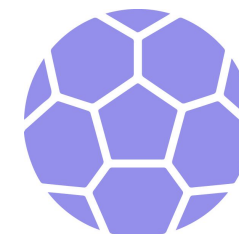
A. 88%
B. 90%
C. 86%
D. 89%
E. 87%

A. The table mentions the number of students (in hundreds) participating in different games from six different schools.

Schools	Number of students in hundreds				
	Chess	Cricket	Football	Badminton	Volleyball
P	15	21	24	0.8	0.9
Q	12.4	13	26	2	0.5
R	5.7	8	12	0.3	0.2
S	11.3	6	18	1	1.5
T	17	12.4	11	3	0.4
U	14	10.5	9.8	0.7	0.1

3. What is the difference in the number of students participating in all sports from the school R and those from the school T?

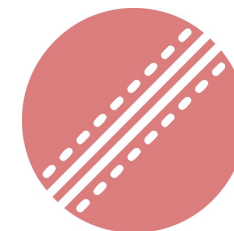A. 1675
B. 1750
C. 1765
D. 1670
E. 1760

A. The table mentions the number of students (in hundreds) participating in different games from six different schools.

Schools	Number of students in hundreds				
	Chess	Cricket	Football	Badminton	Volleyball
P	15	21	24	0.8	0.9
Q	12.4	13	26	2	0.5
R	5.7	8	12	0.3	0.2
S	11.3	6	18	1	1.5
T	17	12.4	11	3	0.4
U	14	10.5	9.8	0.7	0.1

4. What is the percentage (approximate) of the total number of students participating in Volleyball over chess?

A. 8%
B. 5%
C. 7%
D. 9%
E. 4%

A. The table mentions the number of students (in hundreds) participating in different games from six different schools.

Schools	Number of students in hundreds				
	Chess	Cricket	Football	Badminton	Volleyball
P	15	21	24	0.8	0.9
Q	12.4	13	26	2	0.5
R	5.7	8	12	0.3	0.2
S	11.3	6	18	1	1.5
T	17	12.4	11	3	0.4
U	14	10.5	9.8	0.7	0.1

5. What is the ratio of average number of students participating in the game of football to that of the game of Volleyball?

A. 14 : 1

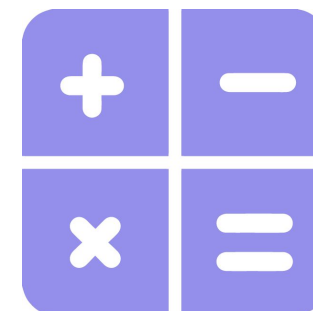B. 14 : 3

C. 28 : 1

D. 27 : 1

E. 12: 1

B. Following table shows the percentage of marks obtained by different students in six subjects. The numbers in the bracket are maximum marks in the respective subjects.

Subject / Student	Physics (75)	Chemistry (75)	Biology (75)	Math (200)	Hindi (120)	English (150)
A	52%	60%	88%	59%	65%	68%
B	80%	68%	72%	63%	50%	64%
C	56%	52%	64%	74%	75%	70%
D	60%	72%	56%	71%	55%	56%
E	64%	76%	60%	66%	65%	74%
F	76%	64%	48%	57%	70%	62%

6. What are the total marks scored by student A in all the subjects?

A. 443
B. 448
C. 456
D. 464
E. 472

B. Following table shows the percentage of marks obtained by different students in six subjects. The numbers in the bracket are maximum marks in the respective subjects.

Subject Student	Physics (75)	Chemistry (75)	Biology (75)	Math (200)	Hindi (120)	English (150)
A	52%	60%	88%	59%	65%	68%
B	80%	68%	72%	63%	50%	64%
C	56%	52%	64%	74%	75%	70%
D	60%	72%	56%	71%	55%	56%
E	64%	76%	60%	66%	65%	74%
F	76%	64%	48%	57%	70%	62%

7. What is the percentage of average marks obtained by the six students in Physics?

A. 43.6%
B. 64.6%
C. 48.5%
D. 49.2%
E. 51.5%

ENG

B. Following table shows the percentage of marks obtained by different students in six subjects. The numbers in the bracket are maximum marks in the respective subjects.

Subject Student	Physics (75)	Chemistry (75)	Biology (75)	Math (200)	Hindi (120)	English (150)
A	52%	60%	88%	59%	65%	68%
B	80%	68%	72%	63%	50%	64%
C	56%	52%	64%	74%	75%	70%
D	60%	72%	56%	71%	55%	56%
E	64%	76%	60%	66%	65%	74%
F	76%	64%	48%	57%	70%	62%

8. What is the overall approximate percentage of marks obtained by student D in all the subjects?

A. 57.4%
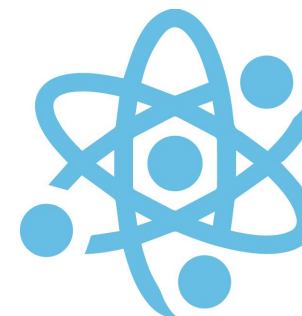
B. 60%

C. 59.5%

D. 61.8%

E. 62.3%

B. Following table shows the percentage of marks obtained by different students in six subjects. The numbers in the bracket are maximum marks in the respective subjects.

Subject / Student	Physics (75)	Chemistry (75)	Biology (75)	Math (200)	Hindi (120)	English (150)
A	52%	60%	88%	59%	65%	68%
B	80%	68%	72%	63%	50%	64%
C	56%	52%	64%	74%	75%	70%
D	60%	72%	56%	71%	55%	56%
E	64%	76%	60%	66%	65%	74%
F	76%	64%	48%	57%	70%	62%

9. Marks scored by student C in Biology is approximately what percent of the marks obtained by student A in English?

A. 57%

B. 43%

C. 51%

D. 47%

E. 49%

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B. Following table shows the percentage of marks obtained by different students in six subjects. The numbers in the bracket are maximum marks in the respective subjects.

Subject Student	Physics (75)	Chemistry (75)	Biology (75)	Math (200)	Hindi (120)	English (150)
A	52%	60%	88%	59%	65%	68%
B	80%	68%	72%	63%	50%	64%
C	56%	52%	64%	74%	75%	70%
D	60%	72%	56%	71%	55%	56%
E	64%	76%	60%	66%	65%	74%
F	76%	64%	48%	57%	70%	62%

10. Calculate the difference between the total marks scored by 'E' in Physics, Chemistry, and Biology together and the total marks scored by F in the same three subjects together?

A. 9
B. 12
C. 15
D. 7
E. 6

C. There are three shops A, B and C which sell different articles namely I , II III , IV, and V respectively. The discount offered by each shop on different articles is given in the table.

ARTICLES	DISCOUNT % BY SHOP A	DISCOUNT % BY SHOP B	DISCOUNT % BY SHOP C
I	26%	28%	34%
II	14%	--	28%
III	--	12%	--
IV	26%	34%	--
V	--	--	24%

11. If the average selling price of the article I on all the shops is Rs. 4293, then calculate the selling price of article I at shop B

A. 4912
B. 4523
C. 4374
D. 3416
E. 4312

C. There are three shops A, B and C which sell different articles namely I , II III , IV, and V respectively. The discount offered by each shop on different articles is given in the table.

ARTICLES	DISCOUNT % BY SHOP A	DISCOUNT % BY SHOP B	DISCOUNT % BY SHOP C
I	26%	28%	34%
II	14%	--	28%
III	--	12%	--
IV	26%	34%	--
V	--	--	24%

12. If the average selling price of article II at shop A and B is Rs. 3608 and at in shop B and C is Rs. 3300 , then calculate discount offered by shop B?
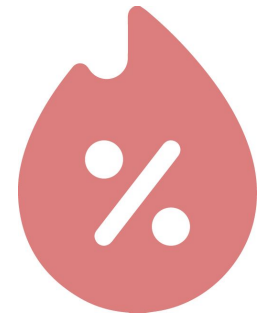
A. 968
B. 732
C. 1734
D. 862
E. 1324

C. There are three shops A, B and C which sell different articles namely I , II III , IV, and V respectively. The discount offered by each shop on different articles is given in the table.

ARTICLES	DISCOUNT % BY SHOP A	DISCOUNT % BY SHOP B	DISCOUNT % BY SHOP C
I	26%	28%	34%
II	14%	--	28%
III	--	12%	--
IV	26%	34%	--
V	--	--	24%

13. If a new shop D opens up and started selling article III with some percent discount and that to the amount of discount offered by shop C in article II (MP kept by shop D is 66 2/ 3 % more than that kept by shop C). Find the percentage of discount offered by shop owner of shop D.

A. 18.66 %
B. 18.33%
C. 15%
D. 17%
E. 23%
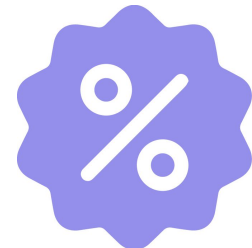
D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

14. In 2019, the sales of company B is what percentage of sales of company E?

A. 47%

B. 150%

C. 300%

D. 213%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

15. In which year did the sales of company C have the maximum growth rate?

A. 2016
B. 2017
C. 2018
D. 2020

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

16. The average sales of company B from 2015 to 2020 is

A. 1007.5

B. 920.6

C. 1100.4

D. 900.3

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

17. What is the growth rate of company C for 2018?

A. 20%

B. 10.9%

C. 8.5%

D. 14%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

18. What is the growth rate of company A for 2015?

A. 20%

B. 10%

C. 15%

D. Cannot be determined

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

19. The average sales of five companies is maximum in:

A. 2018

B. 2016

C. 2017

D. 2020

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D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

20. The highest average sales is achieved by which company for the six years (2015 - 2020).

A. A

B. B

C. C

D. D

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

21. The simple annual growth rate of sales of company D from 2015 – 2020 is

A. 10%

B. 5.9%

C. 4.75%

D. 6.3%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

22. The compounded annual growth rate of sales of company C for the period 2015 - 2020 is

A. 10%

B. 15%

C. 20%

D. 25%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

23. The sales of company D in 2020 is what % of the average sales of company B from 2015 - 2020?

A. 50%

B. 110.1%

C. 90%

D. 100%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

24. The percentage growth achieved by company B in 2016 is

A. 40%

B. 50%

C. 30%

D. 35%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

25. If the expenditure of company D for 2018 is Rs. 600 lakhs, what is the profit percentage?

A. 30%

B. 33.33%

C. 25%

D. 50%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

26. If the five companies together have 50% market share in that industry in 2018, what is the market share of B in 2018?

A. 10.4%

B. 15.35%

C. 11.15%

D. 12.2%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

27. If the industry in 2019 grows by 20%, what is the market share of B in 2019?
(Use data from Q.13)

A. 8.2%

B. 8.6%

C. 9.2%

D. 12.33%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

28. Profit of A in 2020 is 15%, what is its expenditure?

A. 843 lakh

B. 853 lakh

C. 800 lakh

D. 820 lakh

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

29. Which company has the maximum sales in terms of volume?

A. A
B. B
C. C
D. Cannot be determined
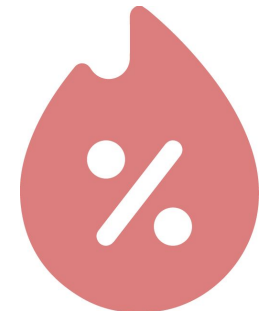
D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

30. If the profit % of company C for 2018 is 30%, what is the expenditure for that company in that year?

A. 910 lakh

B. 700 lakh

C. 800 lakh

D. 750 lakh
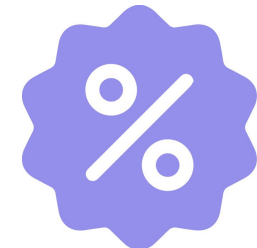
D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

31. If the ratio of the average sales price per unit in 2020 of C and D is 2 : 3, what is the ratio of their sales volume in 2020?

A. 3 : 2

B. 2 : 3

C. 5 : 3

D. 3 : 5

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

32. If in 2020 the expenditure and sales of company B increase by 20%, by what percentage does the profit percentage increase?

A. 22%

B. 25%

C. 20%

D. 0%

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

33. How many times are the sales of company B in 2020 to that of company D in 2018?

A. 1.92

B. 0.50

C. 1.50

D. 1.25

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

34. How many times more are the sales of company B in 2020 than that of company D in 2018?

A. 0.25
B. 0.56
C. 0.50
D. 1.50

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

35. If company C's compounded annual growth rate is 15%, what should be the sales in 2022?

A. 1150 lakh

B. 1300 lakh

C. 1322.5 lakh

D. 1200 lakh

D. The following table gives the sale (in Lakh Rs.) of five EdTech companies from 2015 - 2020

Company	Years					
	2015	2016	2017	2018	2019	2020
A	864	900	875	1000	975	970
B	785	1040	980	1060	980	1200
C	620	780	820	910	940	1000
D	695	790	740	800	850	900
E	740	850	520	980	460	900

36. If the simple annual growth rate is 15%, the sales for 2022 of company C is

A. 1150 lakh

B. 1300 lakh

C. 1325 lakh

D. 110

Cities	Faridabad	Meerut	Varanasi	Amritsar	Allahabad
Delhi	30	70	800	460	670
Kanpur	490	520	330	940	220
Lucknow	530	560	380	1000	200
Ghaziabad	45	45	800	480	680
Ludhiana	350	300	1120	140	1000
Agra	210	250	610	670	520

Cities	Chandigarh	Bareilly	Moradabad	Gurgaon
Faridabad	280	270	180	40
Meerut	230	210	120	110
Varanasi	1060	590	670	840
Amritsar	230	650	560	520
Allahabad	940	470	570	720

Cities	Aligarh	Jalandhar	Raebareli
Chandigarh	390	150	850
Bareilly	170	570	350
Moradabad	140	480	450
Gurgaon	170	440	620

37. A train runs from Lucknow to Jalandhar via Allahabad and Moradabad and speed of train till Moradabad was 50 km/h, after Moradabad the speed of train decreased by 10 km/h. Calculate the time taken by train to travel the journey from Lucknow to the city of Jalandhar.

A. 22.4 hours
B. 27.4 hours
C. 33.4 hours
D. 25.4 hours
E. None of these

Cities	Faridabad	Meerut	Varanasi	Amritsar	Allahabad
Delhi	30	70	800	460	670
Kanpur	490	520	330	940	220
Lucknow	530	560	380	1000	200
Ghaziabad	45	45	800	480	680
Ludhiana	350	300	1120	140	1000
Agra	210	250	610	670	520

Cities	Chandigarh	Bareilly	Moradabad	Gurgaon
Faridabad	280	270	180	40
Meerut	230	210	120	110
Varanasi	1060	590	670	840
Amritsar	230	650	560	520
Allahabad	940	470	570	720

Cities	Aligarh	Jalandhar	Raebareli
Chandigarh	390	150	850
Bareilly	170	570	350
Moradabad	140	480	450
Gurgaon	170	440	620

38. A person wants to go to Raebareli from Meerut by car. Calculate by which of the following options, the person can reach Raebareli by travelling the route with minimum distance?

A. Meerut - Gurgaon – Raebareli

B. Meerut - Moradabad – Raebareli

C. Meerut - Bareilly – Raebareli

D. Meerut - Chandigarh – Raebareli

E. Both B and C

E. Given three tables show the distance from one city to another in kilometres. Thet distance between any two cities will be same for every type of transportation.

Cities	Faridabad	Meerut	Varanasi	Amritsar	Allahabad
Delhi	30	70	800	460	670
Kanpur	490	520	330	940	220
Lucknow	530	560	380	1000	200
Ghaziabad	45	45	800	480	680
Ludhiana	350	300	1120	140	1000
Agra	210	250	610	670	520

Cities	Chandigarh	Bareilly	Moradabad	Gurgaon
Faridabad	280	270	180	40
Meerut	230	210	120	110
Varanasi	1060	590	670	840
Amritsar	230	650	560	520
Allahabad	940	470	570	720

Cities	Aligarh	Jalandhar	Raebareli
Chandigarh	390	150	850
Bareilly	170	570	350
Moradabad	140	480	450
Gurgaon	170	440	620

39. If the rail fare is Rs.5 per km, bus fare is Rs.10 per km and the fare by air is Rs.20 per km, calculate the total fare for Raju, he goes from Delhi to Allahabad by air, from Allahabad to Bareilly by railway and from Bareilly to Jalandhar by bus.

A. Rs. 19450
B. Rs. 20450
C. Rs. 21450
D. Rs. 22450
E. None of these

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E. Given three tables show the distance from one city to another in kilometres. Thet distance between any two cities will be same for every type of transportation.

Cities	Faridabad	Meerut	Varanasi	Amritsar	Allahabad
Delhi	30	70	800	460	670
Kanpur	490	520	330	940	220
Lucknow	530	560	380	1000	200
Ghaziabad	45	45	800	480	680
Ludhiana	350	300	1120	140	1000
Agra	210	250	610	670	520

Cities	Chandigarh	Bareilly	Moradabad	Gurgaon
Faridabad	280	270	180	40
Meerut	230	210	120	110
Varanasi	1060	590	670	840
Amritsar	230	650	560	520
Allahabad	940	470	570	720

Cities	Aligarh	Jalandhar	Raebareli
Chandigarh	390	150	850
Bareilly	170	570	350
Moradabad	140	480	450
Gurgaon	170	440	620

40. Ramesh began his journey from Ludhiana at 4 AM in the morning, and traveled to Varanasi by train. It took 45 minutes to reach Bus stand from Railways station in Varanasi and he took a bus to Gurugram and reached at 6:45 AM the next day. If ratio of speed of train to bus is 8 : 7, then find the speed of train.

A. 60 km/h

B. 75 km/h

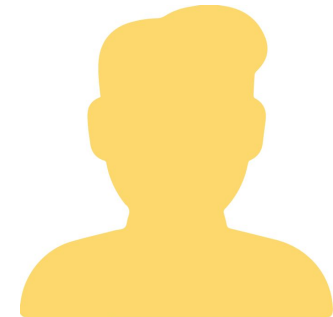C. 90 km/h

D. 80 km/h

E. None of these

F. The population of a town in 2002 consisted of 45% men, 35% women and the remaining children. Of the children, 40% were female and 60% male. Of the men, 10% were over the age of 60 years and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

41. What was the number of men in 2003?

A. 90,000

B. 92,000

C. 93,600

D. 94,200

E. None of these

F. The population of a town in 2002 consisted of 45% men, 35% women and the remaining children. Of the children, 40% were female and 60% male. Of the men, 10% were over the age of 60 years and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

42. What was the number of adults above 60 years in 2002?

A. 20,000

B. 23,000

C. 26,000

D. CBD

E. None of these

F. The population of a town in 2002 consisted of 45% men, 35% women and the remaining children. Of the children, 40% were female and 60% male. Of the men, 10% were over the age of 60 years and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

43. What percentage of the population in 2003 consisted of children?

A. 16%

B. 20%

C. 13%

D. CBD

E. None of these

F. The population of a town in 2002 consisted of 45% men, 35% women and the remaining children. Of the children, 40% were female and 60% male. Of the men, 10% were over the age of 60 years and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

44. What percentage of the total females in 2002 were children?

A. 18.6%

B. 20%

C. 15.7%

D. CBD

E. None of these

F. The population of a town in 2002 consisted of 45% men, 35% women and the remaining children. Of the children, 40% were female and 60% male. Of the men, 10% were over the age of 60 years and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

45. What percentage of the population in 2002, were women below 40 years?

A. 20%

B. 15%

C. 7%

D. CBD

E. None of these

F. The population of a town in 2002 consisted of 45% men, 35% women and the remaining children. Of the children, 40% were female and 60% male. Of the men, 10% were over the age of 60 years and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

46. In 2003, what was the number of women who were above 60 years?

A. 14,000

B. 14,840

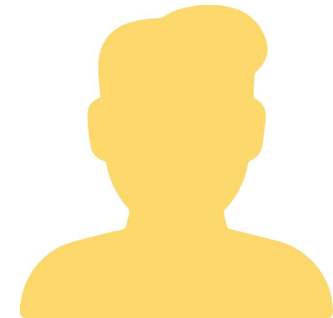C. 15,200

D. CBD

E. None of these

G. The population of a town in 2002 consisted of 45% men, 35% women, and the remaining children. Of the children, 40% were female, and 60% male. Of the men, 10% were over the age of 60 years, and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years, and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

47. If the number of children remains constant, what would be the percentage of children in 2003?

A. 19.2%

B. 20%

C. 18.1%

D. CBD

E. None of these

G. The population of a town in 2002 consisted of 45% men, 35% women, and the remaining children. Of the children, 40% were female, and 60% male. Of the men, 10% were over the age of 60 years, and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years, and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

48. If the population of the town increases by 10% in 2003, by what percentage points has the number of children changed?

A. 11.3%

B. 23.7%

C. 0%

D. CBD

E. None of these

G. The population of a town in 2002 consisted of 45% men, 35% women, and the remaining children. Of the children, 40% were female, and 60% male. Of the men, 10% were over the age of 60 years, and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years, and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.

49. In 2002, if the population of the town had decreased by 20% over 2001,

what would have been the population in 2001?

A. 2,50,000

B. 2,80,000

C 2,40,000

D. CBD

E. None of these

G. **The population of a town in 2002 consisted of 45% men, 35% women, and the remaining children. Of the children, 40% were female, and 60% male. Of the men, 10% were over the age of 60 years, and 25% below the age of 40 years. Of the women, 20% were over the age of 60 years, and an equal number were under 40 years of age. The number of men increased by 4% in 2003 and that of women increased 6%. The population of the town in 2002 was 2,00,000.**

50. If the ratio of men to children in 2001 was 7:3, calculate the number of men?

(Use the data from question 9.)

A. 33,000

B. 1,65,000

C. 55,000

D. CBD

E. None of these

Answers:

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

B
6. B
7. B
8. D
9. D
10. A

C
11. C
12. A
13. C

D
14. D
15. A
16. A
17. B
18. D
19. D
20. B
21. B
22. A
23. C
24. D
25. B
26. D
27. B
28. A
29. D
30. B
31. C
32. D
33. C
34. C
35. C
36. B

E
37. B
38. C
39. C
40. D

F
41. C
42. B
43. D
44. A
45. B
46. A

G
47. A
48. E
49. A
50. D

Q) 5 teams A, B, C, D, and E participate in a tournament where they have to perform 5 embarrassing tasks like preparing for CAT and XAT. The tasks are numbered from 1 to 5. Each tasks has an interesting points' scheme – the team finishing the task first receives 50 points, the team finishing second receives 40 points, third one gets 30 points, 4th placed team receives 20 points and the one that finishes last receives 10 points. If a team does not finish the task in the stipulated 60 minutes, it gets 0 points. Further, for every minute 'saved', a team gets an additional point. As in, if a team finishes second and finishes the task in 53 minutes, the team will get 40 + 7 = 47 points.

Thankfully, all teams finished all tasks within the stipulated 60 minutes.

The times taken by the teams to finish the tasks are given in the table provided below, with some numbers being omitted.

Task	1	2	3	4	5
A	30	52	58		46
B	45		57	56	58
C		45	42	39	52
D	28	35	48	42	
E	52	31		57	33

We know that team D won the overall championship with an overall score of 286 points, while team B ended last with an overall score of 178 points. It is known that a total of 254 points were scored in game 1. Game 3 was the toughest where only a total number of 193 points were scored. Total number of points scored is 1126.

1. How many minutes does C take for game 1?
2. How many minutes does A take for game 4?
3. How many minutes does B take for game 2?
4. How many minutes does D take for game 5?
5. What is the total number of points scored by A?

Answers:

1. 41 Minutes.

2. 48 Minutes.

3. 26 Minutes.

4. 51 Minutes.

5. 196 Points

In the next class we will study

Bar Graphs, Column Graphs, Venn Diagrams

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