

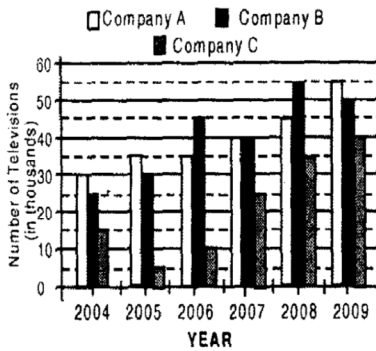
DI -1.1

Tuesday, February 08, 2022 1:50 PM

Data Analysis and Data Interpretation-1.1

Directions (1-5) : Study the following graph carefully to answer the questions that follow :

Number of televisions (in thousands) manufactured by three different companies in six different years



- If 25 per cent of the number of televisions manufactured by company A over all the years together were black and white, then what was the number of coloured televisions manufactured by company-A over all the years together ?
 (1) 1.4 lacs
 (2) 14,000
 (3) 1.8 lacs
 (4) 18,000
 (5) 1.5 lacs
- If the cost of manufacturing one television in the year 2008 was ₹ 12,000, then what was the total expenditure of company C for manufacturing all the televisions in the same year ?
 (1) ₹ 40 crore
 (2) ₹ 52 crore
 (3) ₹ 5.2 crore
 (4) ₹ 4 crore
 (5) ₹ 42 crore
- What was percentage increase in the number of televisions manufactured by company-C in year 2008 as compared to the previous year ?
 (1) 40 (2) 45
 (3) 30 (4) 35
 (5) None of these

- What was the **approximate** average number of televisions manufactured by company B over all the years together ?
 (1) 30677
 (2) 30566
 (3) 40566
 (4) 40833
 (5) 43055

- What was the respective ratio between the number of televisions manufactured by company-B in year 2006 and the number of televisions manufactured by company-A in year 2005 ?
 (1) 5 : 4 (2) 9 : 5
 (3) 4 : 3 (4) 9 : 7
 (5) None of these

Directions (6-10) : Study the table carefully to answer the questions that follow :

Number of trees planted (in Hundreds) by five different NGOs in six different years in two different states

NGO	A		B		C		D		E	
	State-A	State-B	State-A	State-B	State-A	State-B	State-A	State-B	State-A	State-B
2005	14.2	8.5	14.2	4.4	4.5	4.4	4.5	2.1	9.4	3.5
2006	21.6	5.4	7.9	7.2	6.9	4.4	5.4	4.3	7.2	4.7
2007	13.5	8.8	7.7	4.8	5.4	3.8	6.3	6.3	7.4	8.2
2008	12.4	9.6	10.4	6.4	7.2	8.2	9.6	4.4	5.6	4.2
2009	10.8	12.4	12.6	6.2	8.6	6.4	8.4	5.2	6.9	3.8
2010	12.2	14.2	7.5	4.2	11.3	9.3	6.3	5.4	12.8	6.4

- What was the respective ratio between the number of trees planted by NGO-A in the year 2006 in state-A and the number of trees planted by NGO-E in the year 2008 in state-B ?
 (1) 36 : 11 (2) 36 : 7
 (3) 11 : 7 (4) 14 : 9
 (5) None of these
- What was the average number of trees planted by NGO-B in the state-A over all the years together ?
 (1) 1005 (2) 1050
 (3) 1015 (4) 1205
 (5) None of these
- What was the **approximate** percentage decrease in the number of trees planted by NGO-C in state-B in the year 2009 as compared to the previous year ?
 (1) 28 (2) 22
 (3) 26 (4) 16
 (5) 20
- Which NGO planted the second lowest number of trees in both the states together in the year 2009?
 (1) A (2) B

- (3) C (4) D
 (5) E
- Number of trees planted by NGO D in the state-B in the year 2007 was **approximately** what percentage of the number of trees planted by NGO-A in the state-A in the year 2009 ?
 (1) 46 (2) 52
 (3) 70 (4) 58
 (5) 64

Directions (11- 15) : Study the following table carefully to answer the questions that follow :

Number of flights cancelled by five different airlines in six different years

Airlines	P	Q	R	S	T
2005	240	450	305	365	640
2006	420	600	470	446	258
2007	600	680	546	430	610
2008	160	208	708	550	586
2009	140	640	656	250	654
2010	290	363	880	195	483

- What was the difference between the highest number of flights cancelled by airlines-Q and the low-

est number of flights cancelled by airlines-T out of all the six years ?

- (1) 446 (2) 456
(3) 432 (4) 442
(5) None of these

12. What was the **approximate** per cent increase in number of flights cancelled by airlines S in the year 2008 as compared to previous year ?

- (1) 127 (2) 28
(3) 150 (4) 45
(5) 117

13. What was the average number of flights cancelled by the airlines P, R, S and T in the year 2008 ?

- (1) 551.5 (2) 501
(3) 405 (4) 442.4
(5) None of these

14. If 40 per cent of flights in the year 2010 by airlines-R were cancelled due to bad weather conditions and rest were cancelled due to technical fault. What was the number of flights cancelled due to technical fault ?

- (1) 528 (2) 568
(3) 468 (4) 548
(5) None of these

15. Number of flights cancelled by airlines-P and R together in the year 2007 was **approximately** what percentage of number of flights cancelled by airlines-S in the year 2005 ?

- (1) 356 (2) 280
(3) 265 (4) 340
(5) 314

Directions (16-20) : Study the information carefully to answer the questions that follow.

In a sports event there are 5 sports viz. Hockey, Cricket, Tennis, Badminton and Baseball. There is a total number of 800 players in the sports event. The ratio between female and male players is 1 : 3 respectively. Twenty five per cent of the total players are in Cricket. There are 110 badminton players. 10 per cent of the total players are in Tennis. Hockey players are double the number of badminton players. Remaining players are in Baseball. 30 per cent of cricket players are female. Half the female cricketers are equal to female badminton players. 10 per cent of total hockey

players are equal to the number of female players in Tennis. There are equal number of females in Hockey and Baseball.

16. What is the respective ratio between the female players in Hockey and the male players in Badminton ?

- (1) 20 : 13 (2) 11 : 20
(3) 13 : 20 (4) 11 : 23
(5) None of these

17. What is the total number of males in Hockey, Cricket and Baseball together ?

- (1) 464 (2) 454
(3) 462 (4) 432
(5) None of these

18. Number of female players in Baseball is what percent of male players in Hockey ?

- (1) 25 (2) 34
(3) 24 (4) 15
(5) None of these

19. What is the difference between the male players in Baseball and total number of players in Tennis ?

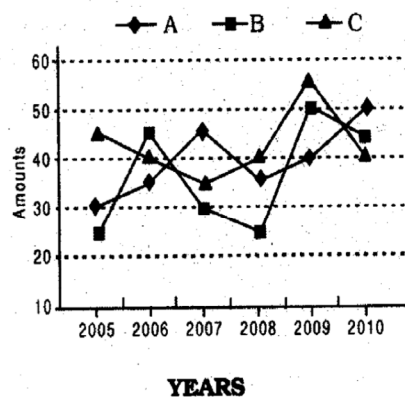
- (1) 58 (2) 76
(3) 56 (4) 68
(5) None of these

20. In which sports female players are **maximum** and male players are **minimum** respectively ?

- (1) Cricket and Badminton
(2) Cricket and Hockey
(3) Baseball and Cricket
(4) Cricket and Tennis
(5) Tennis and Hockey

Directions (21- 25) : Study the following graph carefully to answer the questions.

Amounts invested (in ₹ thousands) by three people in schemes over the years



21. What is the average amount invested in the year 2009 by all the three people together ?

- (1) ₹ 28,350
(2) ₹ 48,333 $\frac{1}{3}$

- (3) ₹ 32,333 $\frac{1}{3}$
(4) ₹ 45,000

- (5) None of these

22. What is the per cent decrease in the amount invested by C in the year 2007 from the previous year ?

- (1) 11.3
(2) 13.5
(3) 12.5
(4) 14.3

- (5) None of these

23. What is the respective ratio of total amount invested by B in the years 2008 and 2010 together to the total amount invested by C in those two years together ?

- (1) 7 : 8

- (2) 14 : 15

- (3) 6 : 7

- (4) 12 : 13

- (5) None of these

24. The amount invested by A in the year 2006 is **approximately** what per cent of the total amount invested by him over all the years together ?

- (1) 15 (2) 19

- (3) 21 (4) 8

- (5) 11

25. What was the total amount invested by all the three people together in the year 2005 ?

- (1) ₹ 10,000

- (2) ₹ 10,00,000

- (3) ₹ 1,000

- (4) ₹ 100

- (5) None of these

Directions (26- 30) : Study the information given below and answer