

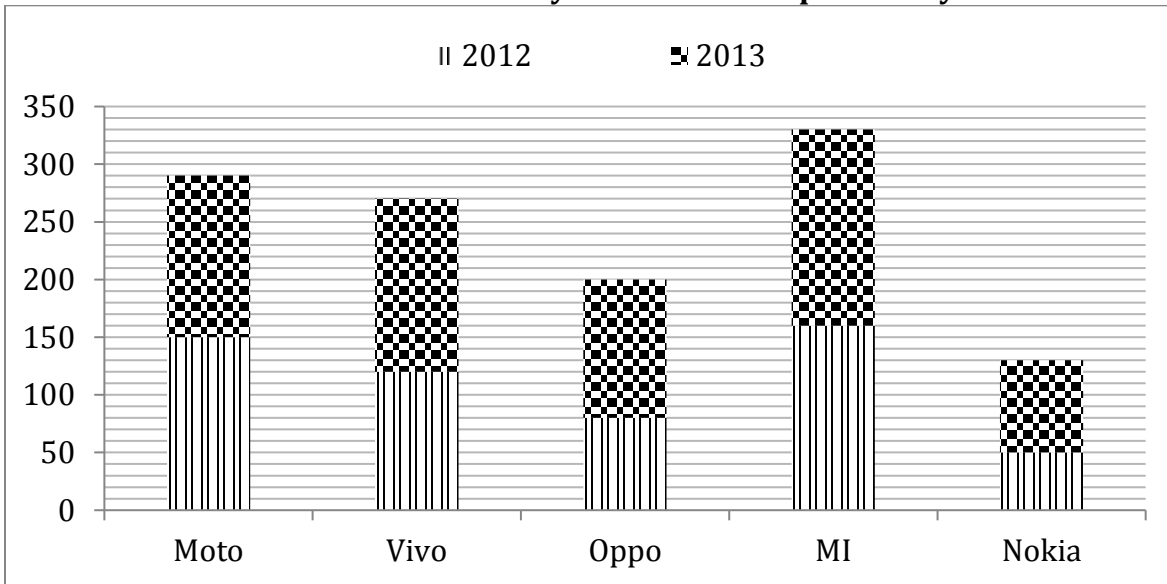
BOOKS



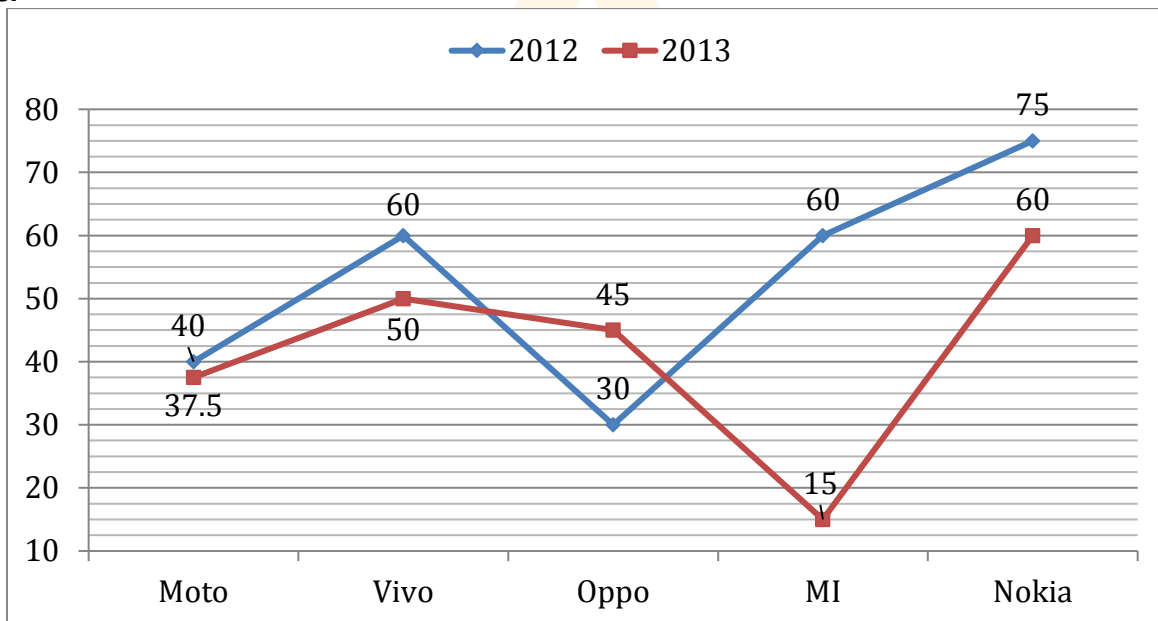
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Directions (1-5): Carefully study the following bar graph and line graph to answer the questions that follow.

Bar graph shows the number of mobiles sold by 5 different companies in year 2012 and 2013.



Line graph shows the percentage of manufactured mobiles which are unsold by same companies in two years.



NOTE - Total manufactured phones in any year for any company = Total sold + Total unsold

Q1. What is the difference between total number of Moto and MI mobiles manufactured together in 2012 and total number of same mobiles manufactured together in year 2013?

- (a) 198
- (b) 226
- (c) 256
- (d) 178
- (e) 316

Q2. If defective Oppo mobiles are 20% of the total sold mobiles in year 2013. Then defective Oppo mobiles in 2013 are what percent of the unsold Nokia mobiles in 2012?

- (a) 88%
- (b) 78%
- (c) 62%
- (d) 74%
- (e) 66%

Q3. If total Nokia and another brand mobile named Jio manufactured in year 2012 is 1000 and unsold Jio mobiles in 2012 are 40 percent more than unsold Nokia mobiles in 2013. Then what is the average of sold Jio mobiles in 2012 and sold Moto mobiles in 2013?

- (a) 336
- (b) 426
- (c) 386
- (d) 392
- (e) 416

Q4. Total manufactured mobiles of company MI and Vivo together in 2012 are what percent more/less than total sold mobiles in year 2013?

- (a) $16\frac{2}{33}\%$
- (b) $21\frac{2}{3}\%$
- (c) $12\frac{1}{3}\%$
- (d) $8\frac{1}{33}\%$
- (e) $6\frac{2}{33}\%$

Q5. If total defective Vivo mobiles are 60% of total unsold Vivo mobiles in both years and ratio of defective vivo mobiles in 2012 and 2013 is 1 : 2, then find the sum of defective Vivo mobiles in 2012 and unsold moto mobiles in both years?

- (a) 150
- (b) 180
- (c) 240
- (d) 250
- (e) 320

Direction (6 - 10): What will come in the place of question (?) marks:

Q6. 18, 6, 2, -2, -10, ?

- (a) -36
- (b) -48
- (c) -40
- (d) -32
- (e) -52



Q7. 56, 1144, 2104, 2944, 3672, ?

- (a) 4556
- (b) 4456
- (c) 4256
- (d) 4296
- (e) 4552

Q8. 21, 1750, 2752, 3267, 3487, ?

- (a) 3556
- (b) 3456
- (c) 3536
- (d) 3544
- (e) 3558

Q9. 9, 15, 23, 33, 45, ?

- (a) 57
- (b) 59
- (c) 53
- (d) 51
- (e) 49

Q10. 141, 197, 269, 359, 469, ?

- (a) 607
- (b) 609
- (c) 601
- (d) 603
- (e) 605



Q11. A society organised an event every Saturday of week and after the event sweets are distributed among member of society. Each male got two sweets and each female got three sweets. If three males leave society and 216 sweets are distributed, then ratio between total sweets got by male to female of society is 5 : 7. Find difference between number of male and female in society?

- (a) 1
- (b) 3
- (c) 6
- (d) 7
- (e) 11

Q12. The ratio between radius of two hemispheres solid tin pieces is 2 : 3 and difference between volume of both is $836/21 \text{ cm}^3$. These two hemispheres are melted into a cylindrical vessel and used $74\frac{\pi}{3} \text{ cm}^3$ extra tin material for polishing the vessel. If ratio between height & radius of cylindrical vessel is 3 : 4, then find the total surface area of cylindrical vessel?

- (a) 154 cm^2
- (b) 132 cm^2
- (c) 176 cm^2
- (d) 208 cm^2
- (e) 198 cm^2

Q13. In a box some Munch chocolate, some Dairy milk chocolate and Kit Kat chocolate. The probability of selecting one Munch chocolate out of box is $\frac{3}{10}$ and the probability of selecting one Kit Kat chocolate out of box is $\frac{2}{5}$. The number of Dairy milk chocolate in box is 6. Find probability of selecting three chocolate from the box such that at most two chocolate are same?

- (a) $\frac{64}{85}$
- (b) $\frac{64}{95}$
- (c) $\frac{42}{85}$
- (d) $\frac{87}{95}$
- (e) $\frac{67}{85}$

Q14. Veer, Sameer and Raj entered into a partnership business. Capital invested by Veer is 50% more than that of Sameer, while capital invested by Raj is 25% less than that of Veer. After one year, if Veer got Rs.14400 more profit than Sameer, then find total profit they got in business?

- (a) 104400 Rs.
- (b) 104000 Rs.
- (c) 140400 Rs.
- (d) 120400 Rs.
- (e) 140400 Rs.

Q15. A can do a task in 18 days, B can do the same task in 24 days and C can destroy the whole work in 36 days. If A & B work for first x days together after that C also joined them, remaining work is completed in $(x + 4\frac{4}{5})$ days. Find how many days all three worked together?

- (a) $6\frac{4}{5}$ days
- (b) $5\frac{4}{5}$ days
- (c) $4\frac{4}{5}$ days
- (d) $7\frac{4}{5}$ days
- (e) $8\frac{4}{5}$ days

RADHEY KI REASONING
COMPLETE BATCH
 (PRE+MAINS)
SBI
 PO/CLERK
 BY: RADHEY SIR

Sale 30%

Directions (16-20): Given below the table shows Investment of five persons, time and share of profit. Some data are missing, calculate that according to the question and answer the questions –

| Person | Investment (Rs) | Time (months) | Profit share (Rs.) |
|--------|-----------------|---------------|--------------------|
| P | — | 12 | 65700 |
| Q | 32000 | — | — |
| R | — | — | — |
| S | 24000 | — | — |
| T | — | — | 24300 |

Q16. P, Q and S invested in a business together, investment of P is 75% of investment of S and all three invested for same time. If Q and S gets extra 12% and 15% of total profit respectively and remaining profit is distributed according to their share, then find the total profit.

- (a) 270000 Rs.
- (b) 370000 Rs.
- (c) 375000 Rs.
- (d) 275000 Rs.
- (e) 325000 Rs.

Q17. Person Q and R invested in the ratio of 4 : 3 and ratio between time period of Investment Q to R is 5 : 3. If both person agree that 65% of the total profit should be divided equally and remaining profit is to be divided into ratio of their capital. If Q gets 10010 Rs. more to R. then find the total profit share of R ?

- (a) 27765 Rs.
- (b) 28190 Rs.
- (c) 42497 Rs.
- (d) 34307 Rs.
- (e) 32695 Rs.

Q18. Q started a business with his investment, after some month S came to joined with him and invest his amount in business. At the end of 3 year, the ratio of profit of Q to S is 3 : 2. Find after how many month S joined the business ?

- (a) 4 months
- (b) 6 months
- (c) 3 months
- (d) 5 months
- (e) 6 months

Q19. If T received Rs. 24300 as profit out of the total profit of Rs. 40500 which T and R earned at the end of one year. If T invested Rs. 81000 for 9 months, whereas R invested his amount for the whole year, what was the amount invested by R ?

- (a) 30500 Rs.
- (b) 40500 Rs.
- (c) 35500 Rs.
- (d) 32500 Rs.
- (e) 40050 Rs.

Q20. If Q and R invested into the ratio of 8 : 9 and R and S Invested into the ratio of 3 : 2. At the end of the year if they all got a total profit of 37030 Rs. then find the share of profit of Q, R and S individually ?

- (a) 14490 Rs, 9660 Rs, 12880 Rs.
- (b) 9660 Rs, 17710 Rs, 11005 Rs.
- (c) 12880 Rs, 14490 Rs, 9660 Rs.
- (d) 12434 Rs, 13594 Rs, 11006 Rs.
- (e) None of these

Directions (21-25): What approximate value will come in place of question mark (?) in the given questions?

Q21. $(36.01)^3 \times (4096)^{\frac{1}{2}} \times (37.99)^2 \div (9^3 \times 75.98^2) = 4^?$

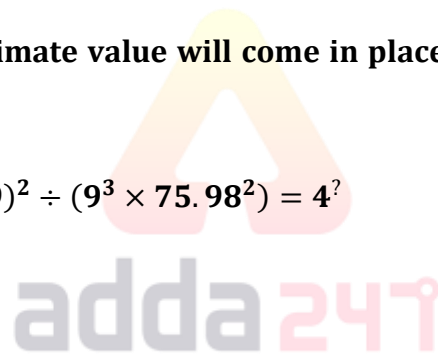
- (a) 7
- (b) 3
- (c) 5
- (d) 8
- (e) 7

Q22. $(4809.01 + 9615.96 + 14425.03) \div 4.98 + 6.02 = (?)^2$

- (a) 92
- (b) 67
- (c) 72
- (d) 76
- (e) 74

Q23. $\frac{4}{15}$ of 393 + $\frac{7}{12}$ of 478 = ? $\times (1.99 + 1.01)$

- (a) 128
- (b) 138
- (c) 158
- (d) 178
- (e) 148



Q24. $\sqrt{2809.001} \div 7.98 \times (12.01)^2 + 46.002 = ?$

- (a) 1300
- (b) 900
- (c) 1000
- (d) 1100
- (e) 980

Q25. $(35\% \text{ of } 74000) \div ? = (123\% \text{ of } 13.02)^2 \times 2.01$

- (a) 40
- (b) 50
- (c) 75
- (d) 90
- (e) 65

Q26. $(X + 4)$ men can complete a work in $2X$ days while $(X + 12)$ women can complete same work in $(X + 8)$ days. If ratio of efficiency of men to women is $5 : 4$ then find in how many days 12 men and 15 women together can complete the same work?

- (a) 32 days
- (b) 16 days
- (c) 48 days
- (d) 64 days
- (e) 80 days

Q27. A man bought an article at Rs.600. He marks up the cost of article and sells it in such a way that if he will give $46\frac{2}{3}\%$ discount then loss occur to him is equal to profit earn by him if he will give 20% discount. Find the Mark price of article?

- (a) Rs.1500
- (b) Rs.800
- (c) Rs.900
- (d) Rs.1200
- (e) Rs.1800

Q28. A person C can complete 21% of work in 10 days while working with $233\frac{1}{3}\%$ of his efficiency. B is $11\frac{1}{9}\%$ more efficient than C. A, while working with his half efficiency can complete the work in half time as compared to time taken by B. Find the time taken by A & B together to complete the 50% of whole work.

- (a) 15 days
- (b) 10 days
- (c) 20 days
- (d) 25 days
- (e) 22 days

Q29. A started a business with Rs 9000 and B joined him with Rs 16000 after 3 months. After a year 'A' got 35% of total profit for his managerial work while remaining profit is divided into A and B according to their investment. It after a year 'A' got Rs 52800 as his share, the total profit earned by them?

- (a) 74,000
- (b) 76,000
- (c) 80,000
- (d) 84,000
- (e) 88,000



Q30. Average present age of A, B, C and D is 27.5 years. Find the sum of present age of B and C together, if 5 years ago, average age of A and D together is greater by 1 years than average age of B and C together.

- (a) 51
- (b) 44
- (c) 49
- (d) 54
- (e) None of these

