

J.P. Morgan chase mock test-1

Q1. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green ?

- (a) $\frac{1}{3}$ (b) $\frac{1}{4}$ (c) $\frac{1}{5}$ (d) $\frac{1}{21}$

Q2. The average of three consecutive odd numbers is 12 more than one third of the first of these numbers. What is the last of the three numbers?

- (a) 15 (b) 17 (c) 19 (d) 21 (e) Data inadequate

Q3. The next term of the sequence 2, 9, 28, 65, 126, ? is

- (a) 217 (b) 216 (c) 205 (d) 199

Q4. There is 60% increase in an amount in 6 years at the rate of simple interest. What will be the compound interest of Rs. 12,000 after 3 years at the same rate ?

- (a) Rs 2160 (b) Rs. 3120 (c) Rs. 3972 (d) Rs. 6240

Q5. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is:

- (a) 2:3 (b) 3:2 (c) 3:4 (d) 4:5

Q6. By selling an article, a man makes a profit of 25% of its selling price. His profit percent is:

- (a) 20% (b) 25% (c) 16% (d) 15% (e) 33.33%

Q7. A alone can do a piece of work in 6 days and B alone in 8 days. A and B undertook to do it for ₹ 3200. With the help of C, they completed the work in 3 days. How much is to be paid to C?

- (a) Rs. 300 (b) Rs. 400 (c) Rs. 1200 (d) Rs. 1500

Q8. By selling a bicycle for Rs. 2,850, a shopkeeper gains 14%. If the profit is reduced to 8%, then the selling price will be:

- (a) Rs. 2600 (b) Rs. 2700 (c) Rs. 2800 (d) Rs. 3000 (e) Rs. 3500

Q9. The next number of the sequence 3, 7, 15, 31, 63, ? is

- (a) 127 (b) 123 (c) 111 (d) 95

Q10. By walking at of his usual speed, a man reaches his office 20 minutes later than his usual time. The usual time taken by him to reach his office is:

- (a) 75 minutes (b) 60 minutes (c) 40 minutes (d) 30 minutes

Q11. Introducing a woman, Shashank said, "She is the mother of the only daughter of my son." How that woman is related to Shashank?

- (a) Daughter (b) Sister-in-law (c) Wife (d) Daughter-in-law

Q12. 4 men and 6 women finish a job in 8 days, while 3 men and 7 women finish in 10 days. In how many days will 10 women finish it?

- (a) 20 days (b) 30 days (c) 40 days (d) 50 days

Q13. A and B can complete a piece of work in 80 days and 120 days respectively. They started working together but A left after 20 days. After another 12 days C joined B and they completed the work in 28 more days. In how many days can C alone complete the work?

- (a) 110 days (b) 112 days (c) 114 days (d) 120 days (e) None of these

Directions for questions (14-17): In a class there are seven students (including boys and girls) A, B, C, D, E, F and G. They sit on three benches I, II and III. Such that at least two students on each bench and at least one girl on each bench. C who is a girl student, does not sit with A, E and D. F the boy student sits with only B. A sits on the bench I with his best friends. G sits on the bench III. E is the brother of C.

Q14. How many girls are there out of these 7 students ?

- (a) 3 (b) 3 or 4 (c) 4 (d) Data inadequate

Q15. Which of the following is the group of girls ?

- (a) BAC (b) BFC (c) BCD (d) CDF

Q16. Who sits with C ?

- (a) B (b) D (c) G (e) E

Q17. On which bench there are three students ?

- (a) Bench I (b) Bench II (c) Bench III (d) Bench I or II

Q18. The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 4.6m away from the wall. The length of the ladder is:

- (a) 2.3m (b) 4.6m (c) 7.8m (d) 9.2m

Q19. If $P \$ Q$ means P is the brother of Q; $P \# Q$ means P is the mother of Q; $P * Q$ means P is the daughter of Q in $A \# B \$ C * D$, who is the father?

- (a) D (b) B (c) C (d) Data is inadequate

Q20. A and B take part in 100 m race. A runs at 5 kmph. A gives B a start of 8 m and still beats him by 8 seconds. The speed of B is:

- (a) 5.15 kmph (b) 4.14 kmph (c) 4.25 kmph (d) 4.4 kmph

Q21. A number is such that when it is multiplied by '8', it gives another number which is as much more than 153 as the original number itself is less than 153. What is 25% of the original number?

- (a) 8 (b) 7.5 (c) 10 (d) 8.5 (e) 6.5

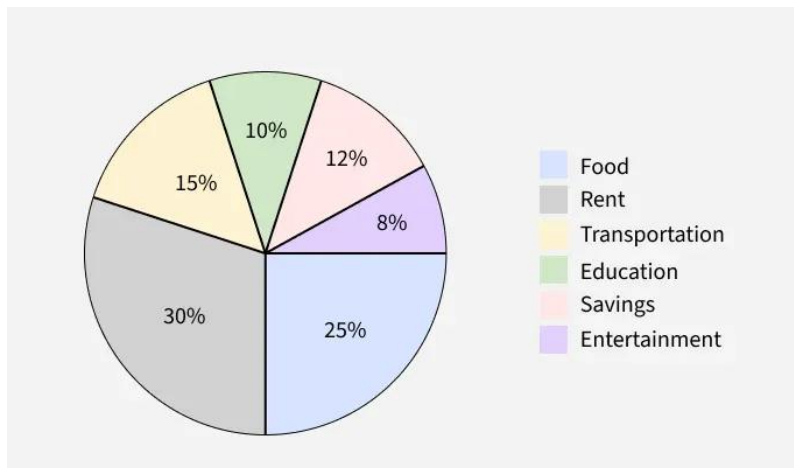
Q22. A company conducted a survey of 500 customers to determine their satisfaction with the company's products. The results showed that 80% of customers were satisfied with the products. Of the satisfied customers, 60% were repeat customers. How many customers were repeat customers and satisfied with the products?

- (a) 200 (b) 240 (c) 300 (d) None of these

Q23. Introducing Sonia, Aamir says, "She is the wife of only nephew of only brother of my mother." How Sonia is related to Aamir?

- (a) Wife (b) Sister (c) Sister-in-law (d) Data is inadequate

Direction for questions (24-27): The pie chart below shows the monthly expenditure breakdown (in percentage) of a family with a total income of Rs. 75,000.



Q24. What amount is spent on Rent?

- (a) Rs. 20000 (b) Rs. 22500 (c) Rs. 24000 (d) Rs. 30000

Q25. How much more is spent on Food and Rent together compared to Transportation and Education combined?

- (a) Rs. 18000 (b) Rs. 20000 (c) Rs. 21000 (d) None of these

Q26. What percentage of the total income is saved?

- (a) 10% (b) 11% (c) 12% (d) 15%

Q27. If the Entertainment budget is reduced by half and added to Savings, what will be the new Savings amount?

- (a) Rs. 10000 (b) Rs. 12000 (c) Rs. 15000 (d) Rs. 18000

Q28. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digits?

- (a) 20% (b) 25% (c) 10% (d) 15%

Q29. A watch which gains 5 seconds in 3 minutes was set right at 7 a.m. In the afternoon of the same day, when the watch indicated quarter past 4, the true time is:

- (a) 4 PM (b) 3:59:30 PM (c) 58 (1/5) past 3. (d) None of these

Q30. The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is 4000. The total price of 12 chairs and 3 tables is

- (a) 3750 (b) 3840 (c) 3500 (d) 3900

Q31. A man can row at 5 kmph in still water. If the velocity of current is 1 kmph and it takes him 1 hour to row to a place and come back, how far is the place?

- (a) 2.5 km (b) 3 km (c) 2.4 km (d) 3.6 km

Q32. A boatman goes 2 km against the current of the stream in 1 hour and goes 1 km along the current in 10 minutes. How long will it take to go 5 km in still water?

- (a) 1 hr. (b) 1 hr 15 min (c) 1.5 hr (d) 40 min

Q33. A swimming pool is filled by three pipes with uniform flow. The first two pipes operating simultaneously fill the pool in the same time during which the pool is filled by the third pipe alone. The second pipe fills the pool 5 hours faster than the first pipe and 4 hours slower than the third pipe. The time required by the first pipe is

- (a) 15 hours (b) 18 hours (c) 12 hours (d) None of these

Q34. **Statements:** Some rats are cats. Some cats are dogs. No dog is cow.

Conclusions:

1. No cow is cat.
2. No dog is rat.
3. Some cats are rats.

- (a) Only (1) (b) Only (1) and (2) (c) Only (1) and (3) (d) Only (2) and (3) (e) Only (3)

Q35. **Statements:** Some cars are jeeps. All the boxes are jeeps. All the pens are cars.

Conclusions:

1. Some cars are boxes.
2. No pen is jeep.
3. Some boxes are cars.

- (a) None of three (b) Only (1) and (2) (c) Only (1) and (3) (d) Only (2) and (3)

Q36. In the following number series a wrong number is given. Find out that number.

8, 18, 40, 86, 178, 370, 752

- (a) 128 (b) 156 (c) 178 (d) 180

Directions for questions (37-39): Read the following information carefully and answer the questions given below.

Seven persons are there in a family with two generations. S is the sister-in-law of Z, who is unmarried female. T is the father of O and Z only. N is the sister of V and mother-in-law of S. W is the brother-in-law of O. The number of males is more than that of females.

Q37. How V is related to Z?

- (a) Uncle (b) Father (c) Aunt (d) Mother (e) Can't be determined

Q38. Four of the following five are alike in a certain way based on the given arrangement and so form a group. Who among the following does not belong to that group?

- (a) T (b) V (c) O (d) W (e) S

Q39. How T is related to S?

- (a) Uncle (b) Father-in-law (c) Father (d) Mother-in-law (e) Can't be determined

Q40. An old manuscript reveals a numerical code where SUGAR is written as 71913, and INDIA as 71871. Using the same code pattern, how would the word GRAIN be translated?

- (a) 93171 (b) 93175 (c) 93115 (d) 97131

Answer key

1	A	9	A	17	A	25	D	33	A
2	C	10	B	18	D	26	C	34	E
3	A	11	D	19	A	27	B	35	A
4	C	12	C	20	B	28	A	36	C
5	B	13	B	21	D	29	A	37	A
6	E	14	B	22	B	30	D	38	E
7	B	15	C	23	A	31	C	39	B
8	B	16	C	24	B	32	B	40	A