

Byju's mock 1

Q1. A train that is 120 meters long runs at 60 km/hr speed. How much time will it take to pass a girl who is running at 6 km/hr in the opposite direction to which the train is going?

- A. 6.54 sec B. 55 sec C. 44.32 sec D. 30.2 sec

Q2. Today is Thursday. After 132 days, it will be

- A. Sunday B. Wednesday C. Thursday D. Monday

Q3. Find the H.C.F, if the numbers are in the ratio of 4 : 5 : 6 and their L.C.M. is 2400.

- A. 35 B. 20 C. 40 D. 67

Q4. Dev can cover a distance in 1 hour 24 minutes. He covers two-thirds of the distance at 6 km/hour and the rest at 7 km/hr. What is the total distance?

- A. 8 km B. 9 km C. 6 km D. 7/5 km

Q5. What is the value of c, If 8 is 4% of a, and 4 is 8% of b, c equals b/a.

- A. 12 B. $\frac{1}{4}$ C. 0.155 D. None of these

Q6. In still water find the speed of a boat, if the boat covers a distance upstream in 2 hours, while it comes back in 1.5 hours while the speed of the stream is 3 kmph.

- A. 12 Kmph B. 18 Kmph C. 21 Kmph D. 24 Kmph

Q7. M and N take part in the 100 m race. M runs at 6kmph. M gives N a start of 8 m and still beats him by 8 seconds. The speed of N is:

- A. 6.14 kmph B. 15.2 kmph C. 5 kmph D. 4.86 kmph

Q8. To cover a distance of 40 km, Rahul takes 2 hours more than Krish. If Rahul doubles his speed, then he would take 1.5 hour less than Krish to cover 80 km. How much time will Krish take travelling at his speed?

- A. $8\frac{1}{8}$ B. 5 C. 9 D.

Q9. The rate at which a sum becomes four times itself in 25 years at S.I, will be:

- A. 30% B. 25% C. 12% D. 49%

Q10: Calculate the speed of the train, if a train 142 m long passes a pole in 6 seconds.

- A. 77.2 km/hr B. 79.6 km/hr C. 84.9 km/hr D. 79.2 km/hr

Q11. The total sum of the present ages of A, B, and C is 92 years. If 4 years ago, the ratio of their ages were 1:2:3 respectively, find A's present age.

- A. 18.5 year B. 14.8 years C. 17.3 years D. 20.3 years

Q12. April takes thrice as long to row a distance against the stream as to row the same distance in favor of the stream. The ratio of the speed of the boat(in still water) and the stream is:

- A. 3:1 B. 1:3 C. 2:1 D. 1:1

Q13. If 120 km is done by train and the rest by car, then it takes 8 hours for a 600 km journey. Of 200 km is done by train and the rest by car, then it takes 20 minutes more. Then what would be the ratio of the speed of the train to that of the car?

- A. 3:4 B. 5:4 C. 4:3 D. 3:5

Q14. 2 years ago A's age was 6 times B's age. 6 years after the ratio between the ages of A and B becomes 10 : 3. What is A's present age?

- A. 44 B. 38 C. 42 D. 34

Q15. Find the product of $(8.77 \times 8.77 \times 8.77 + 4.23 \times 4.23 \times 4.23) / (8.77 \times 8.77 - 8.77 \times 4.23 + 4.23 \times 4.23)$?

- A. 11 B. 4.54 C. 8.77 D. 13

Q16. A guy bought 10 pencils for Rs. 50 and sold them for Rs. 60. Then what is his gain in terms of percentage?

- A. 10% B. 5% C. 20% D. 12%

Q17. 3 years back the average age of A and B was 32. Today the average age of A, B and C is 30. What is the age of C?

- A. 5 B. 10 C. 15 D. 20

Q18. What is the unit digit in 2^{30} ?

- A. 3 B. 4 C. 1 D. 2

Answer: B. 4

Q19. If each edge of a cube is increased by 50%, find the percentage increase in its surface area.

- A. 125% B. 150% C. 175% D. 110%

Q20. Priya walks a certain distance and rides the car back taking a total time of 33 Minutes. I could walk both sides in 45 min. How long would it take me to ride both ways?

- A. 19 mins B. 20 mins C. 21 mins D. 22 mins

Q21. Choose the alternative which resembles the mirror image of the given combination.

ANS43Q12

- (1) AN24EQ12 (2) 21Q342NA
(3) 2NAE4Q21 (4) 12Q4EANA

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

Q22. Choose the alternative which resembles the mirror image of the given combination.

TARAIN1014A

- (1) A1014N1AIAJ (2) A1014N1AIAJ
(3) A1014N1AIAJ (4) A1014N1AIAJ

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

Q23. Choose the alternative which resembles the mirror image of the given combination.

1965INDOPAK

- (1) KAPODI 5961 (2) 5961KAP
(3) KAPODI 1965 (4) 1965KAP

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

Q24. Choose the alternative which resembles the mirror image of the given combination.

MALAYALAM

- (1) MALAYALAM (2) MAJAYAJAM
(3) MALAYALAM (4) MAGAYAGAM

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

Q25. Choose the alternative which resembles the mirror image of the given combination.

EFFECTIVE

- (1) EVITCEFFE (2) EVITCEFFE
(3) EVITCEFFE (4) EVITCEFFE

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

Q26: If the 9th of the month falls on the day preceding Monday, then on what day will the 1st of the month fall?

A. Friday B. Saturday C. Sunday D. Monday

Q27: The average of five numbers is 27. If one number is excluded, the average becomes 25. The excluded number is?

A. 25 B. 35 C. 45 D. 55

Q28: A woman can do a piece of work in 60 hours. If she takes her son with her and both work together then the work is finished in 40 hours. How many hours will the son take to do the same job, if he worked alone on the job?

- A. 20 B. 60 C. 100 D. 120

Q29: I forgot the last digit of a 7-digit telephone number. If one randomly dials the final three digits after correctly dialing the four, then what is the chance of dialing the correct number?

- A. 1/1000 B. 1/1001 C. 1/999 D. 1/990

Q30: Find the remainder when 6799 is divided by 7.

- A. 4 B. 6 C. 1 D. 2

Q31: On 5th December 1993, Nirmala and Raju celebrated their anniversary on Sunday. What will be the day of their anniversary in 1997?

- A. Wednesday B. Thursday C. Friday D. Tuesday

Q32: A sum of money placed at compound interest doubles itself in 4 years. In how many years will it amount to 8 times?

- A. 9 years B. 8 years C. 27 years D. 12 years

Q33. The average temperature for Monday, Tuesday, and Wednesday was 40°C. The average for Tuesday, Wednesday, and Thursday was 41°C. If the temperature on Thursday was 42°C, what was the temperature on Monday?

- A. 39-degree Celsius B. 44-degree Celsius C. 38-degree Celsius D. 41-degree Celsius

Q34. If the difference between simple and compound interest for the fourth year is Rs. 7280 at 20% p.a. What is the principal sum?

- A. 78653 B. 67000 C. 50000 D. 55000

Q35. Half percent, written as a decimal, is

- A. 0.2 B. 0.02 C. 0.005 D. 0.05

Q36. The remainder when $1010 + 10100 + 101000 + \dots + 101000000000$ is divided by 7 is

- A. 0 B. 1 C. 2 D. 5

Q37: Three baskets contain a number of oranges in the ratio 3 : 4 : 5. In which ratio should the no. of oranges in the first two baskets be increased so that the new ratio becomes 5 : 4 : 3?

- A. 3:4 B. 2:1 C. 2:3 D. 1:3

Q38: The cost of setting up a newspaper is Rs. 2800. The cost of paper and ink etc is Rs. 80 per 100 copies and the printing cost is Rs. 160 per 100 copies. Last month 2000 copies were printed but only 1500 copies could be sold at Rs. 5 each. A total 25% profit on the sale price was realized. There is one

more resource of income for a newspaper which is advertising. What sum of money was obtained from advertising?

- A. INR1750 B. INR 2350 C. INR1150 D. INR 1975

Q39. Today is Monday. After 63 days, it will be:

- A. Tuesday B. Monday C. Sunday D. Saturday

Q40. Avi takes 50 minutes to cover a distance of 8km. If he covers a 3km distance in $\frac{2}{5}$ th of the time then, What speed should he maintain to cover the remaining distance in the remaining time?

- A.13 Kmph B.14 Kmph C.15 Kmph D.11 Kmph

Q41. Fresh fruit usually contains 68% water and a dry fruit contains 20% water. Calculate how much dry fruit can be obtained from 100 kg of fresh fruits.

- A. 20 B. 30 C. 40 D. 50

Q42. In a two-digit number, the digit in the unit's place is more than twice the digit in ten's place by 1. If the ten's place and the digits in the unit's place are interchanged, the difference between the newly formed number and the original number is less than the original number by 1. What is the original number?

- A. 35 B. 36 C. 37 D. 39

Q43. Find the odd man out.

462,396, 572, 671,427, 264.

- A. 671 B. 462 C. 427 D. 264

Q44. Three numbers are in the ratio 4 : 5 : 6 and their average is 25. The largest number is :

- A. 30 B. 40 C. 50 D. 60

Q45. If the area of a rectangle is 20 sq. cm and its diagonal is sq. The perimeter of the rectangle must be:

- A. 18 B. 28 C. 38 D. 48

Q46. X and Y invest in an accessory shop in the ratio of 3 : 2. If 5% of the total profit goes to NGO's and X's share is Rs. 855, the total profit is:

- A. 500 B. 1000 C. 1500 D. 2000

Q47. What annual instalment will discharge a debt of Rs 1092 due in 3 years at 12% simple interest?

- A. 325 B. 545 C. 560 D. 550

Q48. A certain mixture contains both alcohol and water in a ratio of 4 : 3. If 5 liters of water is added to the said mixture, then the ratio becomes 4: 5. What is the quantity of alcohol in the given mixture?

- A. 10 B. 12 C. 15 D. 18

Q49: The total age of D and E is 12 years more than the total age of E and F. F is how many years younger than D?

- A. 12 B. 13 C. 14 D. 15

Q50: When 0.36 is written in its simplest form, the sum of both the numerator and the denominator is:

- A. 15 B. 34 C. 64 D. 13

Answer key

1	A	11	C	21	B	31	C	41	C
2	B	12	C	22	D	32	D	42	C
3	C	13	A	23	D	33	A	43	C
4	C	14	A	24	B	34	C	44	A
5	B	15	D	25	A	35	D	45	A
6	B	16	C	26	B	36	B	46	C
7	D	17	D	27	B	37	B	47	A
8	A	18	B	28	D	38	D	48	A
9	C	19	A	29	A	39	B	49	A
10	C	20	C	30	C	40	D	50	B