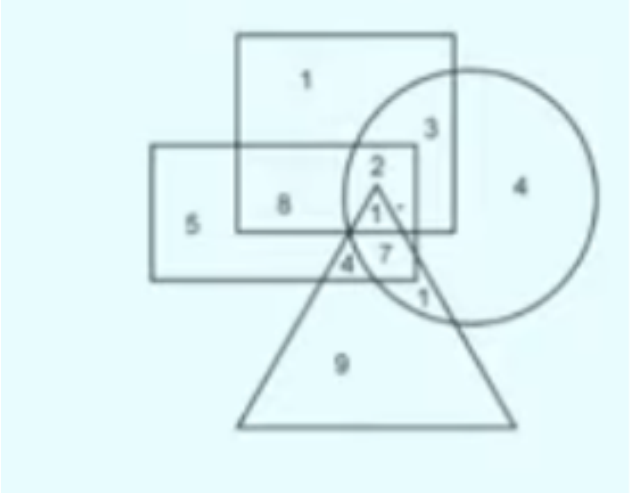
1. If the square represents dancers, circle represents the singers, and rectangle represents the chefs, then how many teachers are there who are not singers?



(A) 13
(B) 12
(C) 10
(D) 9

---

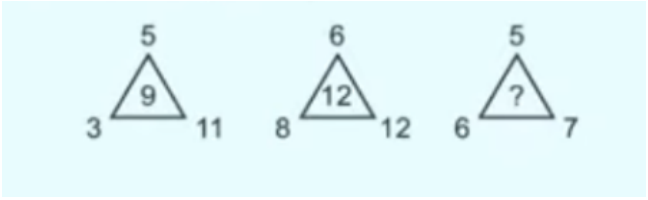
2. What will come in the place of x?



(A) N
(B) M
(C) O
(D) P

---

3. What will come in the place of the question mark in the question figure?



(A) 4
(B) 6
(C) 8
(D) 5
(E) 9

---

4. How many factors of 1080 contain exactly one trailing zero?

(A) 12
(B) 6
(C) 8
(D) 15
(E) 13

---

5. If the odds in favour of an event A are 3 : 4 and the odds against another independent event B are 7 : 4, find the probability that at least one of the events will happen.

(A) 7/18
(B) 7/11
(C) 5/8
(D) 8/19

---

6. Find the cost price of an article sold by the shopkeeper on selling the article at Rs. 240?
I. If the article sold at 25% more the profit earned will be Rs. 40.
II. Marked price of article is Rs. 400 and profit percentage is equal to discount percentage offered and profit percentage is 40%.

(A) If the question can be answered by using statement I alone.
(B) If the question can be answered by using statement II alone.
(C) If the question can be answered by using both the statements together, but cannot be answered by either statement alone.
(D) If the question can be answered by using either statement I or statement II alone.
(E) If the question cannot be answered even by using both the statements together.

7. Which digit will come in place of the question mark?



8. How many numbers x exist such that $10^{11} < x < 10^{12}$ and the sum of digits of x is 1?

9. A and B are two junctions with 31 stations between them. In how many ways can a train go from A to B while halting at 6 stations between them such that any consecutive pair of halts (including A and B) are separated by an odd number of stations?

10. If $3\log x = 2\log y = \log x + \log y + 1/5$, then what is the value of xy?

11. In how many ways can you create 5-letter words using the letters of the word 'AMBIDEXTROUS' such that there is no repetition of letters and there are exactly 3 consonants and 2 vowels?

12. What will be the output if the input is 26?

Input	5	12	6	9	4
Step 1	e	c	f	i	d
Step 2	11	7	13	19	9
Step 3	b	g	d	j	i
Step 4	5	15	9	21	19
Step 5	e	o	i	u	s
Step 6	2	4	10	7	12

(A) 6
(B) 8
(C) 10
(D) 12
(E) None of these

13. What will be the output of the 4th step if the input is 11?

Input	5	12	6	9	4
Step 1	e	c	f	i	d
Step 2	11	7	13	19	9
Step 3	b	g	d	j	i
Step 4	5	15	9	21	19
Step 5	e	o	i	u	s
Step 6	2	4	10	7	12

(A) 3
(B) 5
(C) 7
(D) 9
(E) None of these

Funky Pizzeria was required to supply Pizzas to three different parties. The total number of pizzas it had to deliver was 800, 70% of which was to be delivered to Party 3 and the rest equally divided between Party 1 and Party 2. Pizzas could be of Thin Crust (T) or Deep Dish (D) variety and come in either Normal Cheese (NC) or Extra Cheese (EC) versions. Hence, there are 4 types of pizzas: T-NC, T-EC, D-NC, D-EC. Partial information about proportions of T and NC pizzas ordered by the three parties are given below.

	Thin Crust (T)	Normal Cheese (NC)
Party 1	0.6	
Party 2	0.55	0.3
Party 3		0.65
Total	0.375	0.52

14. How many Thin Crust pizzas were to be delivered to Party 3?

(A) 398
(B) 162
(C) 196
(D) 364
(E) Cannot be determined

---

15. For Party 2, if 50% of the Normal Cheese pizzas were of Thin Crust variety, what was the difference between the numbers of T-EC and D-EC pizzas to be delivered to Party 2?

(A) 18

(B) 12
(C) 30
(D) 24
(E) None of these

---

16. How many Normal Cheese pizzas were required to be delivered to Party 1?

(A) 104
(B) 84
(C) 16
(D) 196
(E) Cannot be determined

---

17. Persons A and B decide to arrive and meet sometime between 7 and 8 pm. Whoever arrives first will wait for ten minutes for the other person. If the other person doesn't turn up inside ten minutes, then the person waiting will leave. What is the probability that they will meet?

(A) $\frac{1}{2}$
(B) $\frac{1}{6}$
(C) $\frac{5}{6}$
(D) $\frac{11}{36}$
(E) $\frac{25}{36}$

---

18. Rearrange the following sentences to form a coherent paragraph.

A. I ate my breakfast with pleasure and was about to remove a plank to procure myself a little water when I heard a step, and looking through a small chink, I beheld a young creature, with a pail on her head, passing before my hovel.
B. As she walked along, seemingly incommoded by the burden, a young man met her, whose countenance expressed a deeper despondence.
C. It was indeed a paradise compared to the bleak forest, my former residence, the rain-dropping branches, and dank earth.
D. Yet she was meanly dressed, a coarse blue petticoat and a linen jacket being her only garb; her fair hair was plaited but not adorned: she looked patient yet sad.
E. The girl was young and of gentle demeanor, unlike what I have since found cottages and farmhouse servants to be.

(A) CBDEA
(B) CAEBD
(C) CAEDB

(D) CEBDA
(E) CEADB

---

19. Objects are not coloured in any ....., reduced or not; and thus we are free to ..... a scientific ontology which does not colour among the basic properties of its basic .....

(A) sense, rumour, comprise, embody
(B) drift, concur, subsume, entities
(C) demeanor, embark, include, bailiwick
(D) form, accept, inoculate, dexterity
(E) faculty, reject, employ, foray

---

20. It ..... that most people will not buy a new car if they don't think they can pay for it.

(A) stands for reason
(B) stands to reason
(C) stands at reason
(D) stands in reason
(E) stands by reason

---

21. Tiger Woods' tumble down (A) the world rankings continued this week (B) as he slip to eighth place (C) behind England's Paul Casey (D) who moved up one (E). A sentence is divided into five parts, with a number assigned for each part. Identify the part that has a grammatical error. The number of that part is the answer.

(A) Tiger Woods' tumble down
(B) the world rankings continued this week
(C) as he slip to eighth place
(D) behind England's Paul Casey
(E) who moved up one

---

22. We left the little river of Kaligram, _____ as the blood circulation in a dying man, and dropped down in another current of a flowing stream which led us faster to a region where land and water seemed to merge into each other.

(A) sluggish, briskly
(B) indolent, undignified

(C) tardy, belated
(D) active, lively

---

23. Arrange the following sentences in a logical order to form a coherent paragraph.

(A) We are a long way over the green pastures.
(B) We have left the corn-fields behind, and have just come into the forest.
(C) Here, we halt at that small inn, which ornamented over the doors and windows with green branches for the Midsummer festival.
(D) The whole kitchen is hung round with branches of birch and the berries of the mountain-ash.
(E) The oat-cakes hang on long poles under the ceiling; the berries are suspended above the head of the old woman who is just scouring her brass kettle bright.

A) Only A
B) C, D and E
C) B and C only
D) E and D only
E) Only C

---

24. In the following questions a sentence is fragmented into four parts and labelled 1, 2, 3, and 4. One of the fragments may carry a grammatical/usage error in the context of the sentence. Choose the INCORRECT part for your answer. (If there is no error, choose 5.)

The thickly wooded states of (1) /Chhattisgarh and Jharkhand in central India (2)/are homes of millions of (3) indigenous tribal peoples. (4) No Error (5)

(A) 1
(B) 2
(C) 3
(D) 4
(E) 5

---

25. From among the given alternatives, choose the one that best completes the sentence.

The impact of India's projections as a market for nuclear reactors worth $150 billion has transformed India's image far too much to be _____.

(A) considered as a global leader

(B) left unrealistically evil
(C) crowned as king
(D) marginalised as puerile
(E) detained for life

---

26. From the following words, identify which word will make a similar analogous relationship as the first pair.

Pervers: Troublesome :: Subservient:

(A) Dominating
(B) Compliant
(C) Extreme
(D) Coincidental
(E) Energizing

---

27. In the following question, identify the INCORRECT sentence or sentences.

A. At the beginning of those two weeks, I evangelized courageous to my roommate.
B. Isn't this fantastic? I would say. But I saw he does not have the same interest.
C. Slowly I retreated to my room. I became ashamed of the consumption,
D. and the only way to compare the shame is to an addict and his addiction.

(A) A only
(B) A, B and C
(C) B and D only
(D) D only
(E) A, C and D

---

28. Fill in the blanks with the most appropriate word/set of words from the given options.

The audience was captivated by his _____ voice, and even the members at the back of the auditorium could clearly hear each word that was spoken.

(A) mellifluous
(B) sonorous
(C) mellisonant
(D) dulcet
(E) melodious

29. Fill in the blanks in the passage with the most appropriate set of words from the options for each blank.

..... the view that each species has been independently created, I can see no explanation ..... this great fact ..... the classification of all organic beings; but, ... the best of my judgment, it is explained ..... inheritance and the complex action of natural selection, entailing extinction and divergence of character, ... we have seen illustrated in the diagram.

(A) At, of, in, to, through, as
(B) For, of, in, though, as
(C) On, of, at, to, through, to
(D) On, of, in, to, through, as
(E) On, of, in, to, through, as

---

30. Choose the word which is opposite in meaning to "profligacy".

(A) Extravagance
(B) Lucrative
(C) Rhetoric
(D) Thrift
(E) Criterion

---

31. From the given options, select the synonym of the underlined word.

Once the shrubs begin to smother the little plants, we have to move them.

(A) Abstain
(B) Frighten
(C) Unleash
(D) Stifle
(E) Spread

---

32. Fill in the blanks with the most appropriate prepositions.

He thought the sunlight falling _____ the water _____ noon, moving river light too bright _____ look _____.

(A) about, in, at, to, for
(B) of, on, at, to, at

(C) about, in, at, to, for
(D) on, on, by, to, on
(E) of, on, on, to, at

---

33. Fill in the blanks with the most appropriate pair of words from the given options.

Only a person who is _____ self-centred has the _____ and the stamina to write essays.

(A) brutally, canter
(B) conscientiously, endurance
(C) selfishly, diffidence
(D) congenially, effrontery
(E) venally, inspiration

---

34. Answer the following questions based on the information given below.
If Sentence (C), "The leaders in the caravan came up, with some thirty horses, and we exchanged courteous greetings," is the first sentence, what is the order of other sentences after rearrangement?

A. It was an uninteresting, mealy-faced child, with a very marked obliquity of vision, but I felt much compassion for him; he wore such a look of patient suffering.
B. And for we wandered, but only on our return we saw animals far in the distance.
C. The leaders in the caravan came up, with some thirty horses, and we exchanged courteous greetings.
D. They vanished in space and we, leaving Abdul in charge of the horses, set off on our excursion.
E. One of the sandagurs, out of the convoy, carried in front of him a large bundle of clothing containing a boy.

(A) ADBE
(B) EBDA
(C) EDAB
(D) FBAD
(E) EADB

---

35. This question consists of two capitalized words that have a certain relationship to each other, followed by a certain pair of words. Choose the pair that is RELATED to each other in the same way as the capitalized pair.

ASCERTAIN : DISREGARD :: DEVIOUS : ?

(A) Deceitful
(B) Cunning
(C) Honest
(D) Murky
(E) Tricky

---

36. This question consists of two capitalized words that have a certain relationship to each other, followed by a certain pair of words. Choose the pair that is RELATED to each other in the same way as the capitalized pair.

MASTICATE : RUMINATION

(A) Assimilate : Digestion
(B) Absorb : Nourishment
(C) Ingestion : Egestion
(D) Protein : Gestation
(E) Bile : Regeneration

---

37. Out of the words given in the options below, choose the word that fits into the maximum number of blanks.

A. Admitting his crimes served as a _____ for the man.
B. The boy _____ his big brother who was teasing him.
C. The criminal felt a _____ when the priest absolved him of his sins.
D. The baby started smiling when the mother _____ him.
E. The judge _____ on the circumstances before coming to a decision.

(A) coddled
(B) deliberated
(C) catharsis
(D) peace
(E) saint

---

38. The given sentence has been broken up into four different parts. The error, if any, will be in any one part of the sentence. Select the option which contains the part of the sentence which has an error (spelling, grammatical, or contextual). If there is no error, choose option five.

By the first evening, (1) Israeli Air Force fighter-bomber aircraft had bombed (2) roughly 100 Hamas-operated security installations (3) during the first wave of the strike. (4)

(A) 1
(B) 2
(C) 3
(D) 4
(E) No error

---

39. Each question has a sentence that has an underlined part. Choose the option which rephrases the underlined part in the most appropriate manner in terms of grammar and usage.

In an attempt to boost their profits, many edible oil-producing companies have been engaging themselves in propaganda against commonly used oils and promoting exotic and expensive varieties of oils as more healthier options.

(A) as most healthiest options
(B) as less healthy option
(C) as healthier options
(D) as much healthiest option
(E) No correction required

---

40. Arrange the jumbled sentences in order.

A. When quizzed on his 'surprising' reaction after missing out on a century, Flintoff reckoned that scoring one run less than the hallowed figure of 100 didn't matter as England had achieved victory.
B. The Lancastrian's knock eventually won the match for his country and he was awarded the man-of-the-match prize.
C. It didn't stop him from celebrating hundreds with much exuberance afterwards, but his temporary insight retains a special place in my memory.
D. In 2004, after being dismissed on 99 in an ODI against India at the Oval, the former England all-rounder Andrew Flintoff wore a contented smile as he walked off the field.
E. There's something magical about the multiples of 10, which I have never understood.

(A) EADCB
(B) EACDB
(C) DECBA
(D) DBACE
(E) BAECD

---

41. Read the sentences and choose the option that best arranges them in a logical order.

A. To help control this runoff and to generate hydroelectric power, the Lower Colorado River Authority operates a series of dams that form the Texas Highland Lakes.
B. The eastern part of the city is relatively flat, whereas the western part and western suburbs consist of scenic rolling hills on the edge of the Texas Hill Country.
C. The city is also situated on the Balcones Fault, which, in much of Austin, runs roughly the same route as Loop 1 (Mopac Expressway).
D. The lakes also provide venues for boating, swimming, and other forms of recreation within several parks located on the lake shores.
E. Because the hills to the west are primarily limestone rock with a thin covering of topsoil, portions of the city are frequently subjected to flash floods from the runoff caused by thunderstorms.

(A) CBADE
(B) BEACD
(C) BEDAC
(D) CBEAD
(E) CBDEA

---

42. When three different varieties of a chemical are mixed in the ratio 3 : 7 : 8, the cost price of the mixture is Rs. 15 per litre. However, when the same varieties are mixed in the ratio 2 : 5 : 9, the cost price of the mixture is Rs. 18 per litre. What is the cost price of the mixture formed (in Rs. per litre) when the same three varieties of chemical are mixed in the ratio 6 : 13 : 5?

(A) 12
(B) 15
(C) 9
(D) 18
(E) None of these

---

43. There are 20 girls and 15 boys in a class. 1/5 of the girls and 2/5 of the boys bring their lunch from home. One of the students who brings lunch from home is chosen at random. Find the probability that the student is a girl.

(A) 1/3
(B) 2/3
(C) 1/2
(D) 2/5

(E) 1/4

---

44. Tickets for a concert were sold at Rs. 2, Rs. 4, and Re. 1. Twelve more tickets were sold at Rs. 4 instead of Rs. 2, and twice tickets were sold at Re. 1. If the total amount collected is Rs. 288, then how many tickets of Rs. 2 were sold?

(A) 30
(B) 24
(C) 25
(D) 28
(E) 22

---

45. What is the remainder when 256^{74} is divided by 231?

(A) 0
(B) 1
(C) 147
(D) 149
(E) None of the above

---

46. A and B are employed to complete a work. When A worked at twice his normal efficiency and B worked at half his normal efficiency, the work was completed in 17 days. If A had worked at five times his normal efficiency and B worked at one-fourth of his normal efficiency, the work would have been completed in 10 days. If B works alone, how many days does he need to complete the work?

(A) 21.25
(B) 23.75
(C) 25.25
(D) 20.75
(E) None of these

---

47. The questions given below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer:

The number of employees from company A and B is 900 and 1015 respectively. Number of male employees from A is what percent of the number of female employees from A?
Statement I: The number of male employees from B is 10% more than that of the number of male employees from A. The number of female employees from B is 15% more than that of the number of female employees from A.
Statement II: The number of female employees from B is 175 more than that of the number of female employees from A and the difference between the number of male and female employees from B is 135.

(A) Statement I alone is sufficient, whereas Statement II alone is not sufficient.
(B) Statement II alone is sufficient, whereas Statement I alone is not sufficient.
(C) Either Statement I alone or Statement II alone is sufficient.
(D) Both the statements together are necessary.
(E) Both the statements together are not sufficient.

---

48. In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answer:

I. $14x^2 - (7 + 2\sqrt{2})x + 3.50\sqrt{2} = 0$
II. $\sqrt{(4y + 1)} - \sqrt{(y + 3)} = 2$

(A) $x > y$
(B) $x < y$
(C) $x \geq y$
(D) $x \leq y$
(E) No relationship can be established

---

49. Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer:

A, B, and C are three pipes in a tank. A and B are outlet pipes and C is an inlet pipe. The ratio of the efficiency of A : B is 3 : 1 and that of B : C is 1 : 2. What is the capacity of the tank?
Statement I: If all three pipes are opened, the water in the tank will decrease at the rate of 30 litres per minute.
Statement II: The time taken by C to fill the tank is 60 minutes less than the time taken by B to empty the tank.

(A) If the data in statement I alone is sufficient to answer the question while data in statement II alone is not sufficient to answer the question.

(B) If the data in statement II alone is sufficient to answer the question while data in statement I alone is not sufficient to answer the question.
(C) If data either in statement I alone or statement II alone is sufficient to answer the question.
(D) If data in both statements I & II together are necessary to answer the question.
(E) If data in both statements I & II together even are not sufficient to answer the question.

---

50. There are three groups of students M1, M2, and M3, having 20, 30, and 40 students respectively. If one student each from M1 and M3 leave their respective groups and join M2, the average weight of M1 and M3 decreases by 2 kg each and the average weight of M2 increases by 3 kg. By how much (in kg) does twice the average weight of M2 differ from the sum of the average weights of M1 and M3?

(A) 20
(B) 26
(C) 38
(D) 19
(E) None of the above

Passage Excerpt:
"In recent years, technological advancements in AI and machine learning have fundamentally altered how we approach daily tasks. The growing reliance on these systems brings both challenges and opportunities, especially in areas like automation, healthcare, and customer service."
51. What is the primary concern regarding the increased use of AI in daily tasks as mentioned in the passage?

(A) AI technology is improving the healthcare system.
(B) The growing reliance on AI creates new challenges.
(C) AI technology is becoming cost-effective.
(D) The demand for automation is decreasing.

---

52. Identify the grammatically correct version of the sentence:
"The manager explained that the new policy would be beneficial for the employees, as well as improving productivity."

(A) beneficial for the employees, as well as improve productivity.
(B) beneficial to the employees, and also improves productivity.
(C) beneficial to the employees, and also improving productivity.
(D) beneficial for the employees, and also improving productivity.

53. Choose the word that is most nearly opposite in meaning to "benevolent."

(A) Generous
(B) Hostile
(C) Kind
(D) Supportive

---

54. If $2x + 3 = 11$, what is the value of x?

(A) 2
(B) 3
(C) 4
(D) 5

---

55. A shopkeeper offers a discount of 20% on an article originally priced at 1,250. What is the selling price after the discount?

(A) 1,000
(B) 950
(C) 1,150
(D) 1,200

---

56. A table below shows the sales figures of a company over four months.

Month	Sales (in crores)
January	10
February	15
March	12
April	18

What is the average sales per month in the given period?

(A) 13.75 crores
(B) 14.25 crores
(C) 15 crores
(D) 16 crores

57. In a class of 10 students, K is to the left of L but to the right of M. N is to the left of M and to the right of J. J is to the left of K but to the right of L. Which of the following is true?

(A) J is to the left of M.
(B) K is to the right of N.
(C) L is to the left of K.
(D) J is to the right of L.

---

58. Statement 1: All engineers are good at problem-solving.
Statement 2: Some problem-solvers are good at coding.
Conclusion: Some engineers are good at coding.
Which of the following is correct?

(A) Conclusion is true.
(B) Conclusion is false.
(C) Conclusion cannot be determined.
(D) Both the statements are unrelated.

---

59. A man's father is the brother of his mother's brother. How is the man related to his mother's brother?

(A) Nephew
(B) Son
(C) Brother
(D) Grandson

---

60. In a class of 50 students:

- 30 like cricket
- 20 like football
- 15 like both cricket and football

How many students like only cricket?

(A) 15
(B) 20
(C) 25
(D) 30
