

Infosys Test 5

1

A square garden has fourteen posts along each side at equal interval. Find how many posts are there in all four sides:

56

52

44

60

Explanation:

Reqd no. of posts = 4 (at the corners) + 4 × 12

(in between on the sides)

$$= 4 + 48 = 52$$

2

Average age of students of an adult school is 40 years. 120 new students whose average age is 32 years joined the

school. As a result the average age is decreased by 4 years. Find the number of students of the school after joining of the

new students:

1200

120

360

240

Explanation:

Let the original no. of students be x

$$\text{A.T.S. } 40x + 120 \times 32 = (x + 120)36 \Rightarrow x = 120$$

∴ Reqd no. of students after joining the new students

$$= x + 120 = 240$$

3

When Rs 250 added to 1/4th of a given amount of money makes it smaller than 1/3rd of the given amount of money by Rs 100. What is the given amount of money?

350

600

4200

3600

Explanation:

Let the given amount be Rs x

$$\text{A.T.S. } x/3 - (x/4 + 250) = 100 \Rightarrow x = \text{Rs } 4200$$

4

Find the least number of candidates in an examination so that the percentage of successful candidates should be 76.8%:

() 500

() 250

() 125

() 1000

Explanation:

No. of successful candidates = 76.8% of x

x = total students

$$= (x \cdot 76.8 / 100) = 96 / 125 x$$

Which must be a whole no. ∴ The reqd least no. = 125

5

The number of times a bucket of capacity 4 litres to be used to fill up a tank is less than the number of times another bucket of capacity 3 litres used for the same purpose by 4. What is the capacity of the tank?

() 360 litres

() 256 litres

() 48 litres

() 525 litres

Explanation:

$$x/4 - x/3 = 4 \Rightarrow x = 48 \text{ l}$$

6

The ratio of ages of two persons is 4 : 7 and one is 30 years older than the other. Find the sum of their ages.

() 210

() 110

() 90

() 140

Explanation:

$$x/x + 30 = 4/7 \text{ or } x = 40$$

$$\text{Sum of ages} = x + x + 30 = 110$$

7

The greatest two digit number whose square root is an integer is:

- 99
- 89
- 81
- 10

Explanation: $\sqrt{81} = 9$

8

What sum of money is to be divided among 3 men in the ratio 3 : 4 : 5 so that the third man receives Rs 10 only.

- 56
- 84
- 120
- 24

Explanation:

$$\frac{5}{3+4+5} \times 10 = \text{Rs } 24$$

9

Statement. Some Apples are bricks . All grapes are bricks

Conclusion :

1. Some Apples are grapes
 2. All bricks are grapes
- If the 1st statement follows
 - If the 2nd statement follows
 - If both follows
 - If none follows

Explanation:

The middle term 'bricks' has not been distributed at least once in the premises.

10

Statement. All plants are trees . No tree is stone

Conclusion:

1. No stone is plants
2. Some stones are plants

- If the 1st statement follows
- If the 2nd statement follows
- If both follows
- If none follows

Explanation: Combination of SAP (Universal positive) and SEP (universal negative) often produce SEP

11

Statement. All players are tall .Rahul is tall

Conclusion :

1. Rahul is player
 2. No player is tall
- If the 1st statement follows
 - If the 2nd statement follows
 - If both follows
 - If none follows

Explanation:

The middle term 'tall' is distributed at least once in the premises.

12

All students read news paper . Rahul doesn't read newspaper

Conclusion :

1. Rahul is a student
 2. Rahul is not a student
- If the 1st statement follows
 - If the 2nd statement follows
 - If both follows
 - If none follows

13

Statement. All rivers are ponds . Some ponds are lakes

Conclusion :

1. Some lakes are not ponds
 2. All lakes are rivers
- If the 1st statement follows
 - If the 2nd statement follows
 - If both follows

If none follows

14

At the baseball game, Henry was sitting in seat 253. Marla was sitting to the right of Henry in seat 254. In the seat to the left of Henry was George. Inez was sitting to the left of George. Which seat is Inez sitting in?

251

254

255

256

Explanation:

If George is sitting at Henry's left, George's seat is 252. The next seat to the left, then, is 251.

15

As they prepare for the state championships, one gymnast must be moved from the Level 2 team to the Level 1 team. The coaches will move the gymnast who has won the biggest prize and who has the most experience. In the last competition, Roberta won a bronze medal and has competed seven times before. Jamie has won a silver medal and has competed fewer times than Roberta. Beth has won a higher medal than Jamie and has competed more times than Roberta. Michele has won a bronze medal, and it is her third time competing. Who will be moved to the Level 1 team?

Roberta

Beth

Michele

Jamie

Explanation: Beth won the biggest prize, described as a higher medal than Jamie's, which we've been told was a silver medal. Roberta and Michele both won bronze medals, which are lower ranking medals than silver. Beth is also described as having competed more times than Roberta who has competed seven times. Jamie is described as having competed fewer times than Roberta, and Michele has competed three times. Therefore, Beth has competed more times than the others and has won the biggest prize to date

16

Four friends in the sixth grade were sharing a pizza. They decided that the oldest friend would get the extra piece. Randy is two months older than Greg, who is three months younger than Ned. Kent is one month older than Greg. Who should get the extra piece of pizza?

Randy

Greg

Ned

Kent

Explanation: If Randy is two months older than Greg, then Ned is three months older than Greg and one month older than Randy. Kent is younger than both Randy and Ned. Ned is the oldest.

17

The high school math department needs to appoint a new chairperson, which will be based on seniority. Ms. West has less seniority than Mr. Temple, but more than Ms. Brody. Mr. Rhodes has more seniority than Ms. West, but less than Mr. Temple. Mr. Temple doesn't want the job. Who will be the new math department chairperson?

- Mr. Rhodes
- Mr. Temple
- Ms. West
- Ms. Brody

Explanation:

Mr. Temple has the most seniority, but he does not want the job. Next in line is Mr. Rhodes, who has more seniority than Ms. West or Ms. Brody.

18

Brian is dividing 50 marbles into 3 groups. How many marbles are in the largest of the three groups?

- (1) The sum of the two smaller groups of marbles is equal to the largest group of marbles.
- (2) The smallest group contains 6 marbles.
- Statement (1) ALONE is sufficient, but statement (2) is not sufficient.
- Statement (2) ALONE is sufficient, but statement (1) is not sufficient.
- BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
- EACH statement ALONE is sufficient.
- Statements (1) and (2) TOGETHER are NOT sufficient.

Explanation:

The first statement establishes that the larger group constitutes half of the total amount of marbles, which means it must be equal to 25 marbles.

19

Is b a positive number?

- (1) $1,452(b) > 0$
- (2) $-b < 0$
- Statement (1) ALONE is sufficient, but statement (2) is not sufficient
- Statement (2) ALONE is sufficient, but statement (1) is not sufficient
- ALONE is sufficient
- EACH statement ALONE is sufficient.
- Statements (1) and (2) TOGETHER are NOT sufficient.

Explanation:

For (1), the fact that a positive number multiplied by b has a positive product Establishes that b is a positive number. For (2), any positive number with a negative sign placed in front of it will become negative, indicating that b is a positive number

20

Seven players of a group are selected to play from Sunday to Saturday on different days. Sunil plays on

Tuesday, Sudhir plays two days after him who plays before Bhaskar, Sapan plays after Mani but he plays two days before Vishal. Bhupendra plays two days after Mani then on which day Bhupendra and Sapan plays?

- Monday & Thursday
- Friday & Sunday
- Wednesday & Monday
- Thursday & Monday

Explanation:

21

In a certain code c means :-, d means -, p means x, b means + then the value of 16p4b28c7d8,

- 68
- 60
- 62
- 56
- 52

Explanation:

22

In the following series how many b's are there which are immediately preceded by 'd' or 'b' but not follow by d.

dbbddd bdbdbdbdbdbdbdbdbdbd

- 2
- 3
- 4
- 1
- 5

Explanation:

23

If CIGARETTE is coded as GICERAETT, then the word DEMONSTRATION is coded as:

- MEDNSOARTOITN
- MEDSNOATROITN
- MEDSNOARTIOTN
- MEDSNOARTOITN

24

If CENTURION is coded as 325791465, and RANK is coded as 18510, what will the figures 7851 represent?

- BANK

- SANK
- TANK
- TALK

25

Statements: All buildings are chalks. No chalk is toffee

Conclusions:

1. No building is toffee
 2. All chalks are buildings.
- Only (1) conclusion follows
 - Only (2) conclusion follows
 - Either (1) or (2) follows
 - Neither (1) nor (2) follows
 - Both (1) and (2) follow

26

Statements: All cars are cats. All fans are cats.

Conclusions:

1. All cars are fans.
 2. Some fans are cars.
- Only (1) conclusion follows
 - Only (2) conclusion follows
 - Either (1) or (2) follows
 - Neither (1) nor (2) follows
 - Both (1) and (2) follow

27

Statements: All cups are books. All books are shirts

Conclusions:

1. Some cups are not shirts.
 2. Some shirts are cups.
- Only (1) conclusion follows
 - Only (2) conclusion follows
 - Either (1) or (2) follows
 - Neither (1) nor (2) follows
 - Both (1) and (2) follow

28

An aero plane covers a certain distance at a speed of 240 kmph in 5 hours. To cover the same distance in 1 hours, it must travel at a speed of:

- 300 kmph

- 600 kmph
- 360 kmph
- 720 kmph

Explanation:

29

Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?

- $1/2$
- $3/4$
- $3/8$
- $5/16$

30

Statements: Some dogs are bats. Some bats are cats

Conclusions:

1. Some dogs are cats.
 2. Some cats are dogs.
- Only (1) conclusion follows
 - Only (2) conclusion follows
 - Either (1) or (2) follows
 - Neither (1) nor (2) follows
 - Both (1) and (2) follow

31

Statements: All the trucks are flies. Some scooters are flies.

Conclusions:

1. All the trucks are scooters.
 2. Some scooters are not flies.
- Only (1) conclusion follows
 - Only (2) conclusion follows
 - Either (1) or (2) follows
 - Neither (1) nor (2) follows
 - Both (1) and (2) follow

32

Statements: All buildings are chalks. No chalk is toffee.

Conclusions:

1. No building is toffee
2. All chalks are buildings.

- Only (1) conclusion follows
- Only (2) conclusion follows
- Either (1) or (2) follows
- Neither (1) nor (2) follows
- Both (1) and (2) follow

33

Find the grammatical error for the the following?

- I suppose
- you have heard the latest news:
- John has married that girl.
- No error.

34

Passage 1

The enjoyment of physical possession of things would seem to be one of the prerogatives of wealth which has been little impaired. Presumably nothing has happened to keep the man who can afford them from enjoying his Rembrandt and his homegrown orchids. But enjoyment of things has always been associated with the third prerogative of wealth which is the distinct it confers. In a world where nearly everyone was poor, the distinction was very great. It was the natural consequence of rarity. In England it is widely agreed, the ducal families are not uniformly superior. There is a roughly normal incidence of intelligence and stupidity, good taste and bad taste, morality, immorality. But very few people are dukes and duchesses, although the later have become rather more frequent with modern easing of divorce laws. As a result, even though they may be intrinsically unexceptional they are regarded with some awe. So it has long have been with the rich. Were dukes numerous their position would deteriorate. As the rich have become more numerous, they have inevitably becomes a debased currency.

The distinction conferred by wealth

- was unfair to the poor
- was unlikely to spread throughout the world
- was very great when there were many rich people
- was very great when there were few rich people

35

The enjoyment of the physical possession of things

- is one of the privileges of wealth which has not been changed
- is one of the privileges of wealth which should be curtailed
- has little to do with the prerogatives of wealth
- is a prerogative of wealth which cannot be disputed

36

Ducal families in England

- a) are generally agreed to be fairly common
- b) are generally agreed to be fairly superior
- are superior because they are rich
- d) are generally agreed not to be always better than oth

37

There are more duchesses now because

- a) it is easier for dukes to divorce and remarry
- b) dukes are more immoral than they used to be
- c) their position has deteriorated
- d) they are debased

38

Among the ducal families

- a) there is great deal of immortality
- b) there is a fairly even spread of virtues and vices
- c) there is a great deal of bad taste
- d) there is either great intelligence or great stupidity

39

Then

P : it struck me

Q : of course

R : suitable it was

S : how eminently

The Proper sequence should be:

- SPQR
- QSRP
- PSQR
- SRPQ

40

I read an advertisement that said

P : posh, air-conditioned

Q : gentleman of taste

R : are available for

S : fully furnished rooms

The Proper sequence should be:

- PQRS
- PSRQ
- PSQR
- SRPQ

41

Since the beginning of history

P : have managed to catch

Q : the Eskimos and Red Indians

R : by a very difficult method

S : a few specimens of this aquatic animal

The Proper sequence should be:

QRPS

SQPR

SQRP

QPSR

42

In the following the questions choose the word which best expresses the meaning of the given word.

CORPULENT

Lean

Gaunt

Emaciated

Obese

43

EMBEZZLE

Misappropriate

Balance

Remunerate

Clear

44

AUGUST

Common

Ridiculous

Dignified

Petty

45

CANNY

Obstinate

- Handsome
- Clever
- Stout

46

INDICT

- Condemn
- Reprimand
- Accuse
- Allege

47

STRINGENT

- Dry
- Strained
- Rigorous
- Shrill

48

The small child does whatever his father **was done**

- has done
- did
- does
- had done
- no correction

49

You **need not** come unless you want to.

- You don't need to come unless you want to
- You come only when you want to
- You come unless you don't want to
- You needn't come until you don't want to
- No correction required

50

There are not many men who are so famous that they

- initials
- pictures
- signatures
- middle name
- no correction required

- () 34152
- () 41352
- () 52413

56

1. I 2. help 3. not
4. you 5. did

- () 24351
- () 15324
- () 45231
- () 43152
- () 52431

57

1. not 2. Hari 3. away
4. run 5. did

- () 13542
- () 35412
- () 52431
- () 25143
- () 21345

58

1. not 2. Hari 3. away
4. run 5. did

- () 13542
- () 35412
- () 52431
- () 25143
- () 21345

59

Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.

The grapes are now enough to be picked.

- () ready
- () mature
- () ripe
- () advanced

60

Fate smiles those who untiringly grapple with stark realities of life

- with
- over
- on
- round

61

The miser gazed at the pile of gold coins in front of him.

- avidly
- admiringly
- thoughtfully
- earnestly

62

Catching the earlier train will give us the to do some shopping.

- chance
- luck
- possibility
- occasion

63

I saw a of cows in the field.

- group
- herd
- swarm
- flock

64

The grapes are now enough to be picked.

- ready
- mature
- ripe
- advanced

65

Success in this examination depends hard work alone.

- at
- over
- for
- on

66

Find the one word of this sentence: That which cannot be corrected

- Unintelligible
- Indelible
- Illegible
- Incurable

67

In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

Extreme old age when a man behaves like a fool

- Imbecility
- Senility
- Dotage
- Superannuation

68

In each question below, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence. When he

P : did not know

Q : he was nervous and

R : heard the hue and cry at midnight

S : what to do

The Proper sequence should be:

- RQPS
- QSPR
- SQPR
- SQPR

69

The courts are actively to safeguard the interests and the rights of the poor

- are actively to safeguarding
- have been actively safeguarding
- have to active in safeguarding
- are actively in safeguarding
- No correction required

70

That which cannot be corrected

- Unintelligible
- Indelible
- Illegible
- Incurable

