Find volume of a cube having length of side 5cm

Cube is black from the outside

Divide the cube in 1 cubic cm cubes and count the cubes having atlesast 2 black sides

There are 50 students admitted to a class. Some students can speak only English and some can speak only Urdu. 10 students can speak both English and Urdu. If the number of students who can speak English is 21, then how many students can speak Urdu, how many can speak only Urdu and how many can speak only English?

Urdu: 37, Only Urdu: 27, Only English: 13

Urdu: 39, Only Urdu: 29, Only English: 11

Urdu: 28, Only Urdu 18, Only English: 22

Urdu: 21, Only Urdu: 11, Only English: 29

Suppose there are two arrays, one is small while the other is significantly large. What would be the most suitable sorting algorithm for each of the arrays?

Small Array Heap Sort, Large Array: Quick Sort

Small Array Quick St Large Array: Merge Sort

Small Array: Merge Sort, Large Array Merge Sort

Small Array: Insertion Sort, Large Array. Merge Sort

A fruit seller sells 3 mangoes and 4 apples for $17, and 4 mangoes and 6 apples for $23. What is the cost of one mango and one apple?

Apple-$5, Mango-$0.5

Apple-$2, Mango-3

Apple-$1, Mango=4

Apple-$0.5, Mango=$5

Three people are standing In a queue. Lets name them Alex, John and Maria. Alex is fourteenth from the front and John is seventeenth from the end, while Maria is exactly in between Alex and John. If Alex is ahead of John and there are 48 persons in the queue, how many persons are there between Alex and Maria?

6
7
8
9

Analytical Questions

Math ratio

probability related some English questions opposite/synonyms/paragraph

8 balls and one ball wight is more. Find high weight ball in less terms?

15 Manufacture produce 27 balls in 1 hour, if there is 45 manufactures how many ball they will make in 40 minutes.
3 and 5 litre jug problem (measure 4 litre water)
Measure 4 liters using 5 and 3 liters jug
Cut cake in 8 pieces in only 3 moves
Price of the ball and bat combined is 1.15$ and the bat is 1$ more then ball. Tell the price of ball
4. 5 men make 5 products in 5 minutes. How much time will it take to make 100 products by 10p men.
Two ropes are given and each rope burns completely in 1 hour. Measure 45 minutes using them
8 balls are given. Only one of them has different mass. You have been given a balance find the ball with the different mass with minium usage of balance.
1 coin has more weight in 8 coins. In how many tries you can eliminate it.
You have 3 buckets of 3 and 5 liters full exact 4 litre water using these
3 boxes of apples, oranges and mixes fruits full are wrong labeled you have to label them correctly how much moved do you need
two ropes, one rope takes 1 hour to burn completlely, you have to measure exactlt 45minutes
3 containers with wrong tags, you can check only one, make the tags correct
3L 5L jug problem
short the length of rope without cutting it
9 balls weight problem
Ek flower garden related thi. Jis me flower hr din double ho jate hain. Agr vo garden flowers se full hone ke liye 100 days lagain tu half hone ke liye kitne din lagaen ge
one candy costs one rupees. if you return three wrappers, you'll get an extra candy. how many candies you get for 15 rupees
Divide a cake into 8 equal pieces in 3 cuts
You have 4 tablets, 2 of one type and 2 of other, your task is to eat 2 tablets of one type each. How is that possible?
time is 3:15 ,tell the angle between minute needle and hour needle.
Measure 4 L water from a jar of 3L and 5L.
You have given 25 horses and have to find top 3 in minimum races.Only five horses can participate in a race.
Two trains are moving towards each other with a speed of 80KM/h. There is a distance of 160km between them. There is a bird on the front side of first train which move towards second train and return back when the bird reached the front of the second train. The bird speed is 70km/h. What will be the total distance covered by the bird when both trains will collide.
one candy costs one rupees. if you return three wrappers, you'll get an extra candy. how many candies you get for 15 rupees

you have to correctly label, 3 wrongly labeled bags in 1 try (pick 1 ball from any bag).1 of them(M) has mix Red or Black balls, one has only red(R) and one has only Black(B) balls.
Two trains are moving towards each other with a speed of 200KM/h. There is a distance of 400km between them. There is a bird on the front side of first train which move towards second train and return back when the bird reached the front of the second train. The bird speed is 393.75km/h. What will be the total distance covered by the bird when both trains will collide. Another Case: Distance between them is 200km
pick 1 heavy ball from 8 balls in 2 attempts
you have two candles, each can burn on both ends. Each candle take 60 minutes to burn when burn from one side only, similarly it takes 30 minutes if burn from both sides. Estimate 45 minutes by using 2 such candles. you have no time, or any scale or measure.
1 factory 10 machines making coins of 10g each, 1 machine is making coins of 9g, identify that machine with the help of a weight machine but can check reading on weight machine once
2 blue pills 2 red pills, blind man has to eat one of them every day and night how will he identify them
resolve senarion ------->   we have 5 orders for the time being we have to delete it in this way if need in future then we can access it again
You have 2 bulbs and a building having multiple floors .At a certain floor if you drop bulb it crash.You have 2 bulbs.figure out floor number?
2. Each box has a capacity k and can hold at most 2 gifts. Find the minimum number of boxes to accommodate all the gifts.
Q.You have unlimited pieces of rope and each piece burns in exactly 30 minutes. Calculate 105 minutes
Q. You have 40 heads and 10 tails and you have divided these coins equally or unequally.
Ensure that there are equal no of tails on both sides
and you are allowed to flip a coin on entire side
Hiw will you tell your Grand Mather you are doing Software Engineering on Phone call provided she has no education and she is using Nokia 3310 mobile
- cake k 8 pieces krne 3 cuts me
def SpeedoMeter(number):
# A meter counts the distance covered but a fault with digit 4, so it misses any number with digit 4 in it
# A Distance on meter is given find actual distance
For example:
number: 11
Actual Value: 10
only 4 is missing
Number: 51
Actual value: 37
missing : 4,14,24,34,40-49
Naam ma HeadQuaters likha ha, laikin andr siraf 4,5 loog bethay hotay hain.
Ratio k 2 3 atay bus logical e.g, 30 workers 15 days me 1 kaam complete kr rhy to 15 workers kitne din me kreinge etc etc.
If a clock is showing time of 3:20 what is the angle between its hour and minutes hands.
There are three buttons in a room, you have to tell that which button turned on the LIGHT in room. you can only enter the room once.

You have 8 balls, 7 of same weight and 1 is lighter. You have a weight balancing machine too. Find the lighter one in 3 attempts and then in 2 attempts.
- 8 Ball problem, find one with less weight(analytical)
How do we measure the volume of the cylinder? What is the surface area of the cylinder, What is a cuboid?
You have a rotating disc, and above the disk there is a sensor. Disc is such that it's have side has patterns, rest are plain. When sensor sense patterned region of disk, it displays 1 on screen and sense plain region, it displays 0. You have to find if the disk moving is clockwise or anticlockwise.
You have a bag that has 8 balls, There are x balls - What is the probability that the first ball drawn out of it is a white ball? - What is the probability that the first ball drawn out of it is a white ball and the second ball is a black ball and vice versa?
If you roll a dice, what is the probability you got 6.
If you roll two dice, what is the probability that 1 dice is 6 and other is odd at same time.
There are two ropes and each of them takes exactly 1 hour to burn. Find a way to find when 45 minutes have passed by burning those two ropes.
1: a man was walking when it started to rain. his clothes got wet but no hair is wet why? he's bald
2: there are 5 apples in basket. divide them among 5 girls such that each girl gets an apple and there remains an apple in basket. how'd u divide them.
3: father and son's age is such that father's age is reverse of son's age and the sum of their ages is 66. find their age and give 3 solutions.(24+42, 60+06, 15+51)
4: a duck is given $9, bee is given $27, spider is given $36. how much would you give to a cat? $18
5: u bought a phone. it's cost including phone cover is $110. such that cell phone costs 100 more than phone cover. how much do they both cost? 5 and 105
6: u travel 32923 miles which is a pallindrome. give minimum how much more miles u need to travel to make another pallindrome.
7: a clock was moved from 2 o'clock to 9 o'clock on anti clockwise direction. what's the angle moved
8: complete the series: 19, 7, 23, 11, 27, 15 .....
●divide a cake in 8 parts using 3 cuts only