

## Aptitude Questions

- 1: From a pack of cards Jack, Queen, King & ace are removed. Then the algebraic sum of rest of the cards is?
- 2: The total no. of numbers that are divisible by 2 or 3 between 100 and 200(both inclusive) are?
- 3: Susan wants to put up fencing around three sides of her rectangular yard and leave a side of 20 feet unfenced. If the yard has an area of 680 square feet, how many feet of fencing does she need? a) 38 b) 44 c) 72 d) 88 e) 97
- 4: Two circles are there. One circle is inscribed and another circle is out scribed over a square. What is the ratio of area of inner to outer circle?
- 5: If a die is thrown twice what is the probability that you get same number?
- 6: If the sum of two consecutive numbers is 55, then find out the larger number?
- 7: If the sum of five consecutive numbers is 35. Find how many prime numbers are there?
- 8: In a company  $\frac{3}{5}$  of people know shorthand  $\frac{1}{4}$ th know typing and  $\frac{1}{5}$  know both. What fractions of people do not know both?
- 9: If the length of the rectangle is reduced by 20% and breath is increased by 20 % what is the net change?
- 10: If the area of the square is increased by 69 % how much the length of the side will increase?
- 11: A sequence is given. You should find out error and write correct answer. 2, 3 6, 7 14, 15, 29, 46?
- 12: If two cards are taken one after another without replacing from a pack of 52 cards. Then what is the probability of the cards would be queen?
- 13: What is the time required to punch 1500 cards of 50 column each at the rate of 10,000 punches per hour?
- 14: Radius of sphere is increased by 50%. By how much percentage is surface area is increased?
- 15: What is the optimum number of operations for  $2*(x^{**3})+3*(x^{**2})+5*x+5$ ?

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- 16: At 6'o clock ticks 6 times. The time between first and last ticks was 30sec.
- 17: During a given week a programmer spends  $\frac{1}{4}$  of his time preparing flow chart,  $\frac{3}{8}$  of his time coding and the rest of the time in debugging the programs. If he works 48 hours during the week, how many hours did he spend debugging the program?
- 18: A man owns  $\frac{2}{3}$  of the market research beauro business and sells  $\frac{3}{4}$  of his shares for Rs. 75000. What is the value of Business?
- 19: In a library, there are two racks with 40 books per rack. On a given day, 30 books were issued. What fraction remained in the racks?
- 20: If a clerk can process 80 cheques in half an hour, how many cheques can she process in a seven and one half hour day?
- 21: What is the maximum number of points of intersections of two circles of unequal radii?
- 22: In a certain company, 20% of the men and 40% of the women attended the annual company picnic. If 35% of all the employees are man, what percent of all the employees went to the picnic?
- 23: What is the angle between two hands of a clock when time is 8-30?
- 24: A plane travels 695km with wind and 498km against the wind in same time. The speed of wind is 21km/hr. Find the speed of plane?
- 25: Which way should the key turn in a car door to unlock it?
- 26: Distance between two poles is 50 meters. A train goes by 48 at a speed of kmph. In one minute how many poles will be crossed by the train?
- 27: If second no is twice the first no and first no is thrice the third no. Their average is 20. Find the greatest no?
- 28: A right circular cylinder and a cone are there. Base radius of cone is equal to radius of cylinder. What is the ratio of height to slant side if their volumes are the same?
- 29: The ratio of the ages of the father and the son is 5:3, after 10 years it will be in the ratio 3:2. What will be their ages?
- 30: The ratio of white balls and black balls is 1:2. If 9 gray balls is added it becomes 2:4:3. Then what is number of black balls.
- 31: Product of Prime numbers between 1 and 20?

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- 32: A batsman average was 15. at last innings he took 23 runs then his average became 16. How much run he should take to make his average 18?
- 33: X and Y live in a North-South parallel street. X travels 10 km towards North to reach the east-west street. Y travels 6 km towards south to reach the east west street. X travels now 4km towards east and y travels 8km towards west and they met each other. What is the distance between x and y?
- 34: If 4 circles of equal radius are drawn with vertices of a square as the centre, the side of the square being 7 cm, find the area of the circles outside the square?
- 35: A secret can be told only 2 persons in 5 minutes .the same person tells to 2 more persons and so on. How long will take to tell it to 768 persons?
- 36: If a ball is dropped from 8 meter and it bounce back half the distance then what is the distance it travel before going to rest?
- 37: A 4 digit no may consist of the digits 6,2,7,5 where none of the numbers are repeated. Find the possible no of combinations divisible by 36?
- 38: If 4 circles of equal radius are drawn with vertices of a square as the centre, the side of the square being 7 cm, find the area of the circles outside the square?
- 39: How many such pairs of letters are there in the word STAINLESS each of which has as many letters between them in the word as they have in the English alphabet, in the same sequence?
- 40: In a certain code language, the word ENQUIRY is written as YRIUQNE. How will the word REQUIRE be written in the code language ?  
(a) QERUERI (b) REQUERI (c) ERIUQER (d) IREUQER (e) None of these
- 41: If water is called food, food is called drink, drink is called blue, blue is called red, red is called white and white is called brown, then what is the color of blood?  
(a) Blue (b) Red (c) Brown (d) White (e) Drink
- 42: P is heavier than Q but lighter than R. Q is heavier than T. S is heavier than P but lighter than V. Who among them is the lightest?  
(a) V (b) S (c) T (d) R (e) None of these

## Aptitude Questions

43: There are twelve consecutive flags at an equal interval of distance. A man passes the 8th flag in 8 seconds. How many more seconds will he take to pass the remaining 4 flags?

44: Two trains starting at same time, one from B to M and other in opposite direction arrives at their destination 1 hr and 4 hours respectively after passing each other. How much faster is one train from other?

45: You have 8 balls. One of them is defective and weighs less than others. You have a balance to measure balls against each other. In 2 weightings how do you find the defective one?

46: A driver drives at a speed of 72kmph in a highway. Another driver drives at the speed of 25 m/sec. find the difference in their speeds in m/sec.?

47: 3, 5, 8, 13, 24, 39, 72 Find the wrong number?

48: The difference between a number and its three-fifth is 50. What is the number?  
a) 75 (b) 100 (c) 125 (d) 80 (e) None of these

49: A car covers a certain distance taking 7 hours in forward journey. During the return journey, speed was increased by 12 kmph and it takes 5 hours. What is total distance covered?

(a) 210 km (b) 70 km (c) 440 km (d) 220 km (e) None of these

50: A car averages 55 mph for the first 4 hours of a trip and averages 70 mph for each additional hour. The average speed for the entire trip was 60 mph. How many hours long is the trip?

51: In a certain department store, which has four sizes of a specific shirt, there are  $\frac{1}{3}$  as many small shirts as medium shirts, and  $\frac{1}{2}$  as many large shirts as small shirts. If there are as many x-large shirts as large shirts, what percent of the shirts in the store are medium?

52: An equilateral triangle of side 3 inch is given. How many equilateral triangles of side 1 inch can be formed from it?

53: 8 man work for 6 days to complete a work. How many men are required to complete same work in  $\frac{1}{2}$  day?

54: Number Series 18, 20, 22, 20, 28, 20,?

55: Number Series 3, 18, 4, 24, 5, 30,?

56: The average length of three tapes is 6800 feet. None of the tapes is less than 6400 feet. What is the greatest possible length of one of the other tapes?

## Aptitude Questions

- 57: From its total income, A sales company spent Rs.20,000 for advertising, half of the remainder on commissions and had Rs.6000 left. What was its total income?
- 58: In a team of 12 persons,  $\frac{1}{3}$  are women and  $\frac{2}{3}$  are men. To obtain a team with 20% women how many men should be hired?
- 59: If a 36 cm thread is used to wrap a book, lengthwise twice and breadth wise once, what is the size of the book?
- 60: Three men A, B, C can complete a work separately in some specified days (may be 6, 7, 8). If they do the work together by alternate days. Then how many days need to complete the work?
- 61: Find out the total numbers between 1 to 999 that are neither divisible by 8 nor by 12?
- 62: Three men A, B, C plays Cards. If one loses the game he have to give Rs.3. If he wins the game he will gain Rs.6. If A has won 3 Games, B loses Rs.3, C wins Rs.12.What is the total no. of games played?
- 63: A pole seen from a certain distance at an angle of 15 degrees and 100 meters ahead by 30 degrees. What is the height of pole?
- 64:  $6 \times 12 \times 15$  is the volume of some material. How many cubes of edge 3 can be inserted into it?
- 65: What number comes next in the sequence: 10, 9, 60, 90, 70, 66?
- 66: Total 5 children, youngest 3yrs old and no 2 children have the same age; sum of their age is 26.Find the age of eldest?
- 67: If second number is twice the first number and first number is thrice the third number. Their average is 20.Find the greatest no?

# Aptitude Questions

## Puzzles

- 1: A 3 digit number is such that its unit digit is equal to the product of the other two digits which are prime. Also, the difference between its reverse and itself is 396. What is the sum of the three digits?
- 2: Consider the sum:  $ABC + DEF + GHI = JJJ$  If different letters represent different digits, and there are no leading zeros, what does J represent?
- 3: Find out the smallest four digit number which is divisible from 1 to 10?
- 4: One light flashes 3 times in a minute and another light flashes 3 times in 2 minutes. Find the duration after which both lights will flash same number of times.
- 5: What is the minimum number of races required to pick the best three horses from 25 horses if each race has maximum of 5 horses?
- 6: In a hotel, rooms are numbered from 101 to 550. A room is chosen at random. What is the probability that room number starts with 1, 2 or 3 and ends with 4, 5 or 6?
- 7: If it is given that:  $25 - 2 = 3$   $100 \times 2 = 20$   $36 / 3 = 2$  What is  $144 - 3 = ?$
- 8: Two planes take off at the same exact moment. They are flying across the Atlantic. One leaves New York and is flying to Paris at 500 miles per hour. The other leaves Paris and is flying to New York at only 450 miles per hour (because of a strong head wind). Which one will be closer to Paris when they meet?
- 9: Assume for a moment that the earth is a perfectly uniform sphere of radius 6400 km. suppose a thread equal to the length of the circumference of the earth was placed along the equator, and drawn to a tight fit. Now suppose that the length of the thread is increased by 12 cm, and that it is pulled away uniformly in all directions. By how many cm. will the thread be separated from the earth's surface?
- 10: If you started a business in which you earned Rs.1 on the first day, Rs.3 on the second day, Rs.5 on the third day, Rs.7 on the fourth day, & so on. How much would you have earned with this business after 50 years (assuming there are exactly 365 days in every year)?
- 11: Two identical pack of cards A and B are shuffled thoroughly. One card is picked from A and shuffled with B. The top card from pack A is turned up. If this is the Queen of Hearts, what are the chances that the top card in B will be the King of Hearts?
- 12: A ship went on a voyage. After it had traveled 180 miles a plane started with 10 times the speed of the ship. Find the distance when they meet from starting point.

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- 13: If you were to dial any 7 digits on a telephone in random order, what is the probability that you will dial your own phone number? Assume that your telephone number is 7-digits?
- 14: 3 blocks are chosen randomly on a chessboard. What is the probability that they are in the same diagonal?
- 15: 500 men are arranged in an array of 10 rows and 50 columns according to their heights. Tallest among each row of all are asked to come out. And the shortest among them is A. Similarly after resuming them to their original positions, the shortest among each column are asked to come out. And the tallest among them is B. Now who is taller A or B?
- 16: Two people enter a race in which you run to a point and back. Person A runs 20 mph to and from the point. Person B runs to the point going 10 mph and 30 mph going back. Who came in first?
- 17: A cube painted on all six sides by red color is divided into 125 equal cubes find i) number of cubes having a)3 faces colored b)2 faces colored c) 1 face colored d)0 faces colored ii)Find probability of picking a cube having red face ?
- 18: A, B, C, D are four teams. Three guys x, y, z comment about matches between four teams, X said either A or B will win Y says A will never win Z says C or B will not win only one of them is correct then who won the match?
- 19: Imagine a triangle of coins on a table so that the first row has one coin in it and the second row has two coins in it and so on. If you can only move one coin at a time, how many moves does it take to make the triangle point the other way?
- 20: Two trains at speed 60 km/hr comes in the opposite direction. At a particular time the distance between the two trains is 18km. A shuttle flies between the trains at the speed of 80 km/hr. At the time the two trains crashes what is the distance traveled by shuttle?
- 21: How long would it take you to count 1 billion orally if you could count 200 every minute and were given a day off every four years?
- 22: There is a number that is 5 times the sum of its digits. What is this number?
- 23: The minute and the hour hand of a watch meet every 65 minutes. How much does the watch lose or gain time and by how much?
- 24: A, B and C are three points on a straight line, not necessarily equidistant with B being between A and C. Three semicircles are drawn on the same side of the line with AB, BC and AC as the diameters. BD is perpendicular to the line ABC, and D lies on the semicircle AC. If the funny shaped diagram between the three semicircles has an area of 1000 square cms, find the length of BD?

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25: John lives in "Friends Society" where all the houses are in a row and are numbered sequentially starting from 1. His house number is 109. Jessy lives in the same society. All the house numbers on the left side of Jessy's house add up exactly the same as all the house numbers on the right side of her house. What is the number of Jessy's house? Find the minimal possible answer?

26: A drinks machine offers three selections - Tea, Coffee or Random (Either tea or Coffee) but the machine has been wired up wrongly so that each button does not give what it claims. If each drink costs 50p, how much minimum money do you have to put into the machine to work out which button gives which selection?

27: A drinks machine offers three selections - Tea, Coffee or Random (Either tea or Coffee) but the machine has been wired up wrongly so that each button does not give what it claims. If each drink costs 50p, how much minimum money do you have to put into the machine to work out which button gives which selection?

28: If you added together the number of 2's in each of the following sets of numbers, which set would contain the most 2's: 1-333, 334-666, or 667-999?

29: The secret agent Bond emailed a code word to his head office. They are "AIM DUE OAT TIE MOD". But four of these five words are fake and only one contains the information. The agent Bond also mailed a sentence as a clue - if I tell you any one character of the code word, you would be able to tell the number of vowels in the code word. Can you tell which the code word is?

30: A positive integer that, when added to 1000 gives a sum which is greater than when multiplied by 1000. Find the positive integer?

31: There are 4 mathematicians - Clark, Lee, Martin and Harris - having lunch in a hotel. Suddenly, Clark thinks of 2 integer numbers greater than 1 and says, "The sum of the numbers is..." and he whispers the sum to Lee. Then he says, "The product of the numbers is..." and he whispers the product to Martin. After that following conversation Lee told Martin, I don't think that we know the numbers. Martin: Aha!, now I know the numbers. Lee: Oh, now I also know the numbers. Harris: Now, I also know the numbers. What are the numbers? Explain your answer?

32: There are six columns of coins and there are eight coins in each column. One of the columns is entirely of fake coins and other five columns contain real coins. Weight of one fake coin is 1 gm more than the real coin which is 50 gm. How you can tell which column contains fake coins by single weight?

33: There are 3 lights (in one room) and 3 switches (in another room), one for each. You are allowed only to enter into the light room once. How can you find out which switch corresponds to which light?

## Aptitude Questions

- 34: The minute and the hour hand of a watch meet every 65 minutes. How much does the watch lose or gain time and by how much?
- 35: There is a perfect sphere of diameter 40 cms. resting up against a perfectly straight wall and a perfectly straight floor i.e. the wall and the floor make a perfect right angle. Can a perfect sphere of diameter 7 cms. pass through the space between the big sphere, the wall and the floor? Support your answer with valid arguments. Don't submit just "Yes" or "No".
- 36: At what time immediately prior to Six O'clock the hands of the clock are exactly opposite to each other. Give the exact time in hours, minutes and seconds.
- 37: If one person sends the e-mail to two friends, asking each of them to copy the mail and send it to two of their friends, those in turn send it to two of their friends and so on. How many e-mails would have been sent by the time it did 30 sets?
- 38: What is the four-digit number in which the first digit is  $\frac{1}{3}$  of the second, the third is the sum of the first and second, and the last is three times the second?
- 39: A fly is flying between two trains, each traveling towards each other on the same track at 60 km/h. The fly reaches one engine, reverses itself immediately, and flies back to the other engine, repeating the process each time. The fly is flying at 90 km/h. If the fly flies 180 km before the trains meet, how far apart were the trains initially?
- 40: A person travels on a cycle from home to church on a straight road with wind against him. He took 4 hours to reach there. On the way back to the home, he took 3 hours to reach as wind was in the same direction. If there is no wind, how much time does he take to travel from home to church?
- 41: 2 batsmen are on 94. 2 balls remaining and 7 runs to win. Both batsman make 100 & win the match.
- 42: A short man takes 3 steps to a tall man's 2 steps. They both start out on the left foot. How many steps do they have to take before they are both stepping out on the right foot together?
- 43: We all know that the hour hand and the minute hand on a clock travel at different speeds. However, there are certain occasions when they are exactly opposite each other. Can u give a simple formula for calculating the times of these occasions?
- 44: Find the total number of rectangles (include squares also as rectangles) in an  $8 * 8$  standard chessboard?
- 45: There are 4 parties A, B, C, D. There are 3 people x, y, z. X-says A or D will win. Y-says A will not win. Z-says B or D will not win. Only one of them is true. Which party won?

## Aptitude Questions

- 46: If  $\frac{1}{4}$  of the time from midnight plus  $\frac{1}{2}$  of the time from now to midnight is the present time, then what is the present time?
- 47: In a race Andrew beats Jim. Jack is not the last. Dennis loses to both Jack and Lucia. Jim beats Jack. Who won the race?
- 48:  $\frac{1}{3}$  rd of the contents of a container evaporated on the 1st day.  $\frac{3}{4}$ th of the remaining contents of the container evaporated on the day2. What part of the contents of the container is left at the end of the day2?
- 49: A woman says "my age is my husbands age reversed. if u take the difference between my age and my husband's it will be equal to one by eleventh of the sum of our ages. What is my age? "
- 50: There are two systems A & B .14 degrees in A is equivalent to 36 in B & 133 in A is equivalent to 87 in B. what is temperature where they both r equal?
- 51: An escalator is descending at constant speed. A walks down and takes 50 steps to reach the bottom runs down and takes 90 steps in the same time as A takes 10steps.How many steps are visible when the escalator is not operating?.
- 52: Their 20 balls each of color red, blue, green n yellow. What is the minimum no. of ball u have to take out so that all r of different color.
- 53: A square is of side 1 km. A man travels first 2 sides with 30mph and third side with 60kmph.what is the speed that man has to travel the fourth side if average speed is 60kmph?
- 54: An ordinary fruit contains 72% water and 28% fruit, a dry fruit contains 20% water and 80% fruit. From 100grams of an ordinary fruit how much of dry fruit can be obtained?
- 55: A man from the top of a light house sees a boat with an angle of depression of 30 degrees. it takes 10 minutes for the angle of depression to change from 30 degrees to 60 degrees. In what time does the boat reach from that point to the light house?
- 56: Thirty men take 20days to complete a job working 9hrs a day. How many hours a day should 40 men work to complete the job?
- 57: There was a robbery happened at a bank and 3 suspects taken into custody. Their statements  
A: I am innocent  
B: I am innocent  
C: B did it.  
I didn't remember names, In these three one is lying and we have to find the culprit?

## Aptitude Questions

58: A rich man wanted to distribute his collection of gold coins among his ten children comprising of 5 sons and 5 daughters. He also wanted to give some coins to his car driver. He proceeds on the following basis. The first coin went to the car driver and then  $\frac{1}{5}$ th of the remaining coins to his first son. He then gave another coin to the car driver and distributed  $\frac{1}{5}$ th of the remaining coins to his second son. This procedure went on till all the five sons received their share. Once all the sons received their shares, he distributed the remaining coins equally among his daughters. Can u find how many gold coins the rich man had?

59: Albert and Fernandez have two leg swimming race. Both start from opposite ends of the pool. On the first leg, the boys pass each other at 18 m from the deep end of the pool. During the second leg they pass at 10 m from the shallow end of the pool. Both go at constant speed but one of them is faster. Each boy rests for 4 seconds at the end of the first leg. What is the length of the pool?

60: A s/w eng. returns from America. As he is fat he decided 2 have evening walk daily, He started at 3p.m. He walks along the road at 4 km/hr for sometime. When he climbs a upward slope area at 3km/hr then downwards at the rate of 6km/hr. then back to the home thro the same road at 4 km/hr What is the distance he covered in one way if he reaches back home at 9p.m.

# Aptitude Questions

## Logical Reasoning:

- 1: In the word ORGANISATIONAL, if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?
- 2: What is the largest prime number that can be stored in an 8-bit memory?
- 3: A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?
- 4: The size of a program is N. And the memory occupied by the program is given by  $M = \text{square root of } 100N$ . If the size of the program is increased by 1% then how much memory now occupied?
- 5: A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?
- 6: A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days A alone can complete the work?
- 7: Select the odd one out a. SMTP b. WAP c. SAP d. ARP
- 8: A company installed 36 machines at the beginning of the year. In March they installed 9 additional machines and then disconnected 18 in August. How many were still installed at the end of the year.
- 9: Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT: sum of smaller 2 sides is greater than the other one which is larger)
- 10: In which of the system, decimal number 194 is equal to 1234?
- 11: A 16 stored building has 12000 sq.feet on each floor. Company A rents 7 floors and company B rents 4 floors. What is the number of sq.feet of un rented floor space.
- 12: A computer printer produced 176,400 lines in a given day. If the printer was in operation for seven hours during the day, how many lines did it print per minute?
- 13: In a library, there are two racks with 40 books per rack. On a given day, 30 books were issued. What fraction remained in the racks?
- 14: The average length of three tapes is 6800 feet. None of the tapes is less than 6400 feet. What is the greatest possible length of one of the other tapes?

## Aptitude Questions

15: Two computers each produced 48000 public utility bills in a day. One computer printed bills at the rate of 9600 an hour and the other at the rate of 7800 an hour. When the first computer finished its run, how many bills did the other computer still have to print?

16: If a salesman's average is a new order every other week, he will break the office record of the year. However, after 28 weeks, he is six orders behind schedule. In what proportion of the remaining weeks does he have to obtain a new order to break the record?

17: In a team of 12 persons,  $\frac{1}{3}$  are women and  $\frac{2}{3}$  are men. To obtain a team with 20% women how many men should be hired?

18: In a certain company, 20% of the men and 40% of the women attended the annual company picnic. If 35% of all the employees are man, what percent of all the employees went to the picnic?

19: The average salary of 3 workers is 95 Rs. per week. If one earns Rs.115 and second earns Rs.65 how much is the salary of the 3rd worker.

20: A clerk multiplied a number by ten when it should have been divided by ten. The answer he got was 100. what should the answer have been?

21: Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

22: In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5).

23: What is the max possible 3 digit prime number?

24: If the vertex (5, 7) is placed in the memory. First vertex (1,1) 's address is 1245 and then address of (5,7) is -----

25: If VXUPLVH is written as SURMISE, what is SHDVD?

26: Complete the series. 3, 8, --, 24, --, 48, 63.

27: Find the singularity matrix from a given set of matrices? (Hint  $\det(A)=0$ )

28: The number 362 in decimal system is given by (1362) x in the X system of numbers find the value of X

29: If Rs20/- is available to pay for typing a research report & typist A produces 42 pages and typist B produces 28 pages. How much should typist A receive?

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30: The cost of four dozen proof machine ribbons and five dozen accounting machine ribbons was Rs.160/-. If one dozen accounting machine ribbons cost Rs.20/-, what is the cost of a dozen proof machine ribbons?

31: A company rented a machine for Rs.700/- a month. Five years later the treasurer calculated that if the company had purchased the machine and paid Rs.100/- monthly maintenance charge, the company would have saved Rs.2000/-. What was the purchase price of the machine?

32: A tape manufacturer reduces the price of his heavy duty tape from Rs.30/- to Rs.28/- a reel and the price of a regular tape from Rs.24/- to Rs.23/- a reel. A computing centre normally spends Rs.1440/- a month for tapes and  $\frac{3}{4}$  of this is for heavy duty tapes. How much will they save a month under the new prices?

33: A company figured it needed 37.8 sq.feet of carpet for its reception room. To allow for waste, it decided to order 20% more material than needed. Fractional parts of sq.feet cannot be ordered. At Rs.9/- a sq.feet, how much would the carpet cost?

34: It cost a college Rs.0.70 a copy to produce a Programme for the homecoming football game. If Rs.15,000/- was received for advertisements in the program, how many copies at Rs.0.50 a copy must be sold to make a profit of Rs.8000/- ?

35: The dimensions of a certain machine are 48" X 30" X 52". If the size of the machine is increased proportionately until the sum of its dimensions equals 156", what will be the increase in the shortest side?

36: If a salesman's average is a new order every other week, he will break the office record of the year. However, after 28 weeks, he is six orders behind schedule. In what proportion of the remaining weeks does he have to obtain a new order to break the record?

37: If the date is written as MMDDYYYY, and then 10022001, ie Oct 2 2001 is a palindrome. Which is the immediate palindrome before that date?

38: 5 sea pirates have 100 gold coins and want to share it. They propose a plan. The senior most one has to propose an idea, if at least 50 % agree, the coins are shared accordingly. Else the senior is killed and the next senior most is asked to present a plan and so on .note, all the guys r very clever and very greedy and don't want to lose the coins, and don't want to die. Form a way to share the money.

39: On Monday a banker processed a batch of cheques, on Tuesday she processed three times as many, and on Wednesday she processed 4000 cheques. In the three days, she processed 16000 cheques. How many did she process on Tuesday?

40: Two computers each produced 48000 public utility bills in a day. One computer printed bills at the rate of 9600an hour and the other at the rate of 7800 an hour. When the first computer finished its run, how many bills did the other computer still have to print?

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