Logical and Aptitude Test Questions with Answers

Here is the collection of some really nice logical & aptitude test questions for interview or quiz preparation. Answers of the logical & aptitude questions are provided for the reference at the bottom of this article. Here are some aptitude questions and answers with explanation for interview, competitive examination and entrance test. Fully solved examples with detailed answer for each aptitude question. Learn & practice with these aptitude questions and answers.

Aptitude Questions and Answers

1. A man decides to buy a nice horse. He pays $60 for it, and he is very content with the strong animal. After a year, the value of the horse has increased to $70 and he decides to sell the horse. But already a few days later he regrets his decision to sell the beautiful horse, and he buys it again. Unfortunately he has to pay $80 to get it back, so he loses $10. After another year of owning the horse, he finally decides to sell the horse for $90. What is the overall profit the man makes?

2. A bus run at 100 km/hr top speed. It can carry a maximum of 6 persons. If speed of bus decreases in fixed proportion with increase in number of person, find speed when three person are traveling in bus.

3. A man wanted to enter an exclusive club but did not know the password that was required. He waited by the door and listened. A club member knocked on the door and the doorman said, "twelve." The member replied, "six" and was let in. A second member came to the door and the doorman said, "six." The member replied, "three" and was let in. The man thought he had heard enough and walked up to the door. The doorman said, "ten" and the man replied, "five". But he was not let in. What should have he said?

4. There are 20 pieces of bread to divide among 20 people. A man eats 3 pieces, woman eats 2 pieces and a child eats half piece of bread. Tell the correct combination of men, women and children so that they are 20 people in total and everyone gets the bread. Note that a man cannot eat less than 3 or more than 3. A woman cannot eat less than 2 or more than 2 and the child cannot eat less than half or more than half piece of the bread. You have to tell there are how may are men, women and children in those 20 people.

5. A cube of side 4cm is painted with 3 colors red, blue and green in such a way that opposite sides are painted in the same color. This cube is now cut into 64 cubes of equal size.
   1. How many have at least two sides painted in different colors.
   2. How many cubes have only one side painted.
   3. How many cubes have no side painted.
   4. How many have exactly one side not painted.

6. How many squares are there on a normal chessboard?

7. Three people picked 65 apples altogether. At the first tree they each picked the same number of apples. At the second tree they each picked 3 times as many as they picked at the first tree. When they finished at the third tree, the group had 5 times as many apples as they had when
they started at that tree. At the fourth tree the group picked just 5 apples. How many apples did each person pick at the first tree?

8. 4 criminals are caught and are to be punished. The Judge allows them to be freed if they can solve a puzzle. If they do not, they will be hung. They agreed. The 4 criminals are lined up on some steps (shown in picture). They are all facing in the same direction. A wall seperates the fourth man from the other three.

To Summarise

- Man 1 can see men 2 and 3.
- Man 2 can see man 3.
- Man 3 can see none of the others.
- Man 4 can see none of the others.

The criminals are wearing hats. They are told that there are two white hats and two black hats. The men initially don't know what colour hat they are wearing. They are told to shout out the colour of the hat that they are wearing as soon as they know for certain what colour it is.

- They are not allowed to turn round or move.
- They are not allowed to talk to each other.
- They are not allowed to take their hats off.

Now the question is "Who is the first person to shout out and why?"

9. At a party, everyone shook hands with everybody else. There were 66 handshakes. How many people were at the party?

10. You have to measure exactly 4 liters of water, but you only have a 3-liter bottle and a 5-liter bottle. How do you do it?

11. If 5+3+2 = 151012, 9+2+4 = 183662, 8+6+3 = 482466, 5+4+5 = 202504 then what will be the answer of 7+2+5? Only 2% people are able to solve this aptitude question. Let's see if you can do it.

12. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

13. The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number?

14. Joyce has bought ten trees for her garden. She wants to plant these trees in five rows, with four trees in each row. How must Joyce plant the trees?

15. A light bulb is hanging in a room. Outside of the room there are three switches, of which only one is connected to the lamp. In the starting situation, all switches are off and the bulb is not lit. If it is allowed to check in the room only once to see if the bulb is lit or not (this is not visible from the outside), how can you determine with which of the three switches the light bulb can be switched on?
16. In the middle of a round pool lies a beautiful water-lily. The water-lily doubles in size every day. After exactly 20 days the complete pool will be covered by the lily. After how many days will half of the pool be covered by the water-lily?

17. A snail is at the bottom of a 20 meters deep pit. Every day the snail climbs 5 meters upwards, but at night it slides 4 meters back downwards. How many days does it take before the snail reaches the top of the pit?

**Answers to Aptitude Questions**

1. Consider the trade-story as if it describes two separate trades, where: In the first trade, the man buys something for $60 and sells it again for $70, so he makes a profit of $10. In the second trade, the man buys something for $80 and sells it again for $90, so he makes again a profit of $10.

   Conclusion: The man makes an overall profit of $10 + $10 = $20.

   You can also look at the problem as follows:

   The total expenses are $60 + $80 = $140 and the total earnings are $70 + $90 = $160. The overall profit is therefore $160 - $140 = $20.

2. 100 Km/hr because that is the top speed of the bus.

3. The man had to reply the number of characters in the word the Doorman was asking. He should have replied "Three" instead of "Five".

4. There are 5 women, 1 man and 14 children.

5. Here are the answers.
   
   1. Cubes that have at least two sides painted in different colours are 24 + 8 = 32.
   2. Cubes that have only one side painted are 24.
   3. Cubes that have no side painted = 8.
   4. Cubes that have exactly one side not painted = 0.

6. There are actually 204 squares on a chessboard. Surprised! Here is the explanation. There are 64 (1x1) squares. There are 49 (2x2) squares. There are 36 (3x3) squares. There are 25 (4x4) squares. There are 16 (5x5) squares. There are 9 (6x6) squares. Then there are 4 (7x7) squares and 1 big 8x8 square. So, there are a total of 204 squares on a normal chessboard.

7. One Apple

8. Man 1 will shout first. If Man 1 will not shout then Man 2 surely shouts.

   **Reason:** Man 1 can see the other two criminals? hats. If the hats are same color then he told his hat is opposite color of remaining two hats. So he shouts first. If Man 1 does not shout, it means that the hats of Man 2 and Man 3 are of different color. So Man 2 sees the color of Man 3 hat and he tells that the color of his hat is opposite to the color of Man 3 Hat.

9. With two people, there is one handshake. With three people, there are three handshakes. With four people, there are six handshakes. In general, with n+1 people, the number of handshakes is the sum of the first n consecutive numbers: 1+2+3+...+n. Since this sum is n(n+1)/2, we need to solve the equation n(n+1)/2 = 66. This is the quadratic equation n^2+n-132 = 0. Solving for n, we obtain 11 as the answer and deduce that there were 12 people at the party.

10. Fill the 3-litre bottle and pour it into the empty 5-litre bottle. Fill the 3-litre bottle again, and pour enough to fill 5-litre bottle. This leaves exactly 1 litre in the 3-litre bottle. Empty the 5-litre bottle; pour the remaining 1 litre from the 3-litre bottle into the 5-litre bottle. Fill the 3-litre bottle
and pour it into the 5-litre bottle. The 5-litre bottle now has exactly 4 litres.

11. $7 + 2 + 5 = 143542$. Explanation: $a + b + c$ leads to a 6-digit number.
   - The first and second digits are the product of $a$ and $b$.
   - The third and fourth digits are the product of $a$ and $c$.
   - The fifth and sixth digits are $b*(a+c)$ with the digits of the solution reversed.

12. 4 Years. Explanation: Let the ages of children be $x$, $(x + 3)$, $(x + 6)$, $(x + 9)$ and $(x + 12)$ years. Then, $x + (x + 3) + (x + 6) + (x + 9) + (x + 12) = 50$ i.e. $5x = 20$ and $x = 4$. So, the age of the youngest child ($x$) is 4 years.

13. The difference between the two digits of that number is 4. Explanation: Let the ten's digit be $x$ and unit's digit be $y$. Then, $(10x+y)-(10y+x) = 36$ i.e. $9(x-y) = 36$ and that results to $x-y = 4$.

14. The trees must be planted on the edges of a five pointed star as shown in the figure below.

![Diagram of the five pointed star](image_url)

15. To find the correct switch (1, 2 or 3), turn switch 1 to ON and leave it like that for a few minutes. After that you turn switch 1 back to OFF, and turn switch 2 to ON. Now enter the room. If the light bulb is lit, then you know that switch 2 is connected to it. If the bulb is not lit, then it has to be switch 1 or 3. Now touching the light bulb will give you the answer. If the bulb is still hot, then switch 1 is connected to the bulb; if the bulb is cold, then it has to be switch 3.

16. 19 days. Since the water-lily doubles its size every day and the complete pool is covered after 20 days, half of the pool will be covered one day before that, so 19 days.

17. 16 days. Since the snail moves up 1 meter a day so it will reach 15 meters in 15 days. next day it will again climb 5 meters upward and reaches the top.

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shrutisaha05@yahoo.com on Mon, Apr 28th, 2008 at 10:30 AM

Just awesome, fantastic, fabulous, intelligent and all other good adjectives required to describe this information.
I am finding it interesting to solve these aptitude test questions. You are doing a fabulous job.

It is the best aptitude test I have ever seen and it will really help to prepare for the aptitude tests.

Is there any forum in this site? If so, can you sent invitation for that please?

That's very nice!

It is my great pleasure for finding such logical and aptitude test questions. It develops our mentality. So thanks to the person that made such a questionnaire.

These are really very helpful for the practicing of mind. Great work! keep it up.

Lovely aptitude questions for logical thinking. Some of them were mind boggling. Thanks for providing solutions with them else I would have not been able to solve them. Thanks a ton for the aptitude questions!

This collection of logical and aptitude questions is too good to enhance the IQ level.

good logical questions.

Amazing! Really fantastic, this can help a lot to develop our knowledge.

Excellent is only word I can use for this aptitude test quiz.

Very interesting questions. It will surely help us to prepare for aptitude test.

Its really mindblowing and was really helpful.

These aptitude questions with answers are very useful for any competitive exam.

Its all tricky. All the answers I've thought are wrong. Just keep it up and hope people may learn to use their mind.

Before answering the questions you want to calculate the time accordingly you want to reply with in the time.

Its nice to get the extraordinary information

This is very useful for various exams. So, please add some more question and answers. Thank You!

More of these aptitude tests would really help people like us. Thank you.
It is my great pleasure for finding such logical and aptitude test questions. It develops our mentality. So thanks to the person that made such a questionnaire.

pradeep_navy Nagar@yahoo.com on Wed, Sep 23rd, 2009 at 9:38 PM

I found this site the most useful and awesome. It is my request to advertise this site so that many people like me get advantages, who search the whole net but not found anything which is to the point.

libinforyou@gmail.com on Sat, Sep 26th, 2009 at 1:20 PM

Actually I was searching for this type of article for the last one month. Now I am very happy, its very helpful for the preparation of general aptitude exams. Thanks so much.

just.vikrant@yahoo.co.in on Sat, Oct 24th, 2009 at 4:33 PM

These type of questions are very helpful in competitive exams.

sakajoe@myself.com on Wed, Nov 11th, 2009 at 3:39 AM

It has helped me to reason.

mayu7799@rediffmail.com on Fri, Nov 20th, 2009 at 10:16 PM

It was an excellent experience. I really enjoyed finding the answers.

aashutoshadvankar@ymail.com on Sat, Nov 21st, 2009 at 7:43 PM

Very promising set of questions. Indeed very useful.

temmite188@yahoo.com on Mon, Nov 23rd, 2009 at 6:32 PM

It was trickish but very helpful.

adarshmcom@gmail.com on Mon, Dec 7th, 2009 at 2:41 PM

It is very helpful for me to increase my knowledge.

mymailbox_999@yahoo.com on Mon, Dec 7th, 2009 at 5:50 PM

Thanks a lot for the ideas. I had faced few of the questions before and didn't knew the answer. Now I have got the idea.

hikariten shi_06@yahoo.com on Wed, Dec 9th, 2009 at 3:36 PM

These aptitude questions are really tricky. Could you please add more?

ankush@yahoo.com on Mon, Sep 6th, 2010 at 1:34 PM

These quiz questions & answers are the best thing on your website. Please add more questions to this collection. Thank you!
	sri.shiva04@gmail.com on Mon, Sep 6th, 2010 at 7:15 PM

It was really helpful to me. The aptitude questions available here are quite thinkable and really interesting

sourabhagrawal5@gmail.com on Wed, Dec 16th, 2009 at 11:58 AM

It was awesome. An excellent quiz for Intelligent students

shkana2006@yahoo.com on Mon, Dec 21st, 2009 at 5:24 PM

Oh My God! This is the best aptitude test yet. After reading this, I am positive about passing the interview.

khampapooja@gmail.com on Wed, Dec 30th, 2009 at 4:53 PM

Aptitude test questions like these will always help the students in improving their knowledge and its interesting also.

svviki@gmail.com on Thu, Dec 31st, 2009 at 2:55 PM

these questions are very useful and effective

dadacondorhero@yahoo.com on Sat, Mar 27th, 2010 at 6:11 PM

In question 8; I want to ask how can man-2 surely tells that his hat is opposite color of man-3 hat even though he can’t see the man-1 hat? Please explain it to me.

ainopeter@yahoo.com on Wed, Apr 7th, 2010 at 6:48 PM
This is very knowledgeable and is good in refreshing our minds and helping us always be ready for interviews.

kiruthigab14@gmail.com on Fri, Apr 16th, 2010 at 5:20 PM

These are very useful logical and aptitude questions but we want more aptitude questions with answers. So, please increase the number of questions.

pnpatelnaresh@gmail.com on Sat, Apr 17th, 2010 at 5:36 PM

very good brain exercises for everyone

afshan_shafique@hotmail.com on Sun, Apr 25th, 2010 at 8:01 PM

Someone please help me to understand the cube question. I am not able to understand the answer.

swatisrajput@gmail.com on Wed, Aug 25th, 2010 at 6:39 PM

Your collection of aptitude questions is very good. Please update it with some more logical questions in it.

sivakrishna1111@gmail.com on Fri, Jun 18th, 2010 at 4:06 PM

These questions are very nice and please inform me when new questions are updated.

snmsm82@yahoo.com on Thu, Jun 24th, 2010 at 1:03 PM

It has been very helpful. I enjoyed every bit of the aptitude test. Thank you.

raja0613@gmail.com on Mon, Jun 28th, 2010 at 5:10 PM

These are very good aptitude questions to be solved within limited time. These type of questions sharp your intelligence.

shivali251@gmail.com on Fri, Jul 16th, 2010 at 1:49 PM

These aptitude questions are tricky and challenging. I would love to solve more.

pvn_love@yahoo.com on Mon, Jul 19th, 2010 at 5:42 PM

It's a good and interesting site to prepare for any competitive exam.

tanyapoints@hotmail.com on Wed, Jul 21st, 2010 at 4:58 AM

I must be a moran, because I can't figure out how you got the answers (except those that show how you got it)

ved.runsu@gmail.com on Thu, Jul 22nd, 2010 at 4:09 PM

Thanks for these logical and aptitude questions. Please give the explanation of cube question as well as the apple tree questions. Overall the aptitude test questions are very good and I would like to visit this site again.

roopa.cse.id@gmail.com on Thu, Jul 22nd, 2010 at 10:22 PM

You have an awesome, fantastic & fabulous collection of aptitude test questions. I am finding it interesting to solve the aptitude test questions. Its very useful to prepare for aptitude test.

Very nice!

kattamurideepika@yahoo.in on Mon, Aug 30th, 2010 at 8:22 PM

This was the the first step I took to prepare for my written aptitude test. I think this is helpful.

sangeethakaliappan@gmail.com on Thu, Sep 2nd, 2010 at 3:07 PM

Hi, the course was very useful. Nice logical questions.

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