



NUMBER SYSTEM-1 QUESTIONS

- At a conference, 12 members shook hands with each other before and after the meeting. How many total number of hand shakes occurred?
(A) 100 (B) 132
(C) 145 (D) 144
- A fireman Jacob stood at the centre of a ladder and was spraying water on a burning house. He climbed up 6 rungs before the heat of flames forced him to come down 10 rungs. Some minutes later Jacob climb 18 rungs to the very top of the ladder. How many rungs did the ladder have?
(A) 30 (B) 29
(C) 31 (D) 28
- While climbing a round pole of 80 metres height, a monkey climbs 5 metres in a minute and slips down 2 metres in the next minute. How much time will the monkey take to get to the top of the pole?
(A) 50 (B) 52
(C) 51 (D) 53
- Rohit appeared for a science exam. He was given 135 problems to solve. He tried to solve all of them correctly but some of them went wrong. Any how he scored 75. His score was calculated by subtracting three times the number of wrong answers from the number of correct answers. Can you tell how many problems he solved correctly?
(A) 140 (B) 60
(C) 120 (D) 15
- A naughty student breaks the pencil and pencil measures 12 cm. It breaks into two pieces. If the longer piece is 7 cm. How long is the longer piece than the shorter pieces?
(A) 10 cm (B) 3 cm
(C) 4 cm (D) 2 cm
- Due to storm, a 56 metre eucalyptus tree planted on one side of the river breaks from a point which is at the height of $\frac{1}{4}$ of the total height of the tree. Tip of the broken tree touches the other end of the river. What is the approximate width of the river?
(A) $46\sqrt{2}$ cm (B) $28\sqrt{2}$ cm
(C) $30\sqrt{2}$ cm (D) 28 cm
- If 1 foot measures 50 cm approximately. Then how many square centimeters are there in 1000 square feet land?
(A) 5×10^6 (B) 25×10^5
(C) 10^7 (D) 10^5
- There are 28 steps in a temple . A initially was at the 28th step, comes down two steps each time. B, initially was at 1st step and goes one step up each time. If they start simulatenously and keep their speed uniform, then at which step from the bottom will they meet?
(A) 8th
(B) 9th
(C) 10th
(D) Not possible to meet
- There are 25 horses among which you need to find out the fastest 3 horses. You can conduct race among atmost 5 to find out their relative speed. At no point you can find out the actual speed of the horse in a race, then find out how many races are required to get the top 3 horses.
(A) 5 (B) 6
(C) 7 (D) 8
- In a school, every student is assigned a unique identification number. A student is a football player if and only if the identification number is divisible by 4, whereas a student is cricketer if and only if the identification number is divisible by 6. If every number from 1 to 100 is assigned to a student, then how many of them play cricket as well as football?
(A) 10 (B) 12
(C) 4 (D) 8



11. A frog tries to come out of dried well 4.5 m deep with slippery walls. Every time the frog jumps 30 cm, he slides down 15 cm. Find the number of jumps required for frog to come out of the well?
(A) 31 (B) 20
(C) 28 (D) 29
12. Mohit decided to quit his smoking habit one day, but he had 64 cigarettes with him so he started smoking them one by one to finish them. He had the habit of smoking only $\frac{1}{4}$ of it and leaving the rest butts. Later he found out that by joining 4 butts he can form 1 cigarettes. So, how many cigarettes in all he smoked?
(A) 84 (B) 85
(C) 75 (D) 89
13. Three friends divided some bullets equally. After all of them shot 8 bullets each, the total number of remaining bullets is equal to the bullets each had after division. Find the original number divided?
(A) 12 (B) 16
(C) 18 (D) 20
14. An elephant and a tiger were carrying full sacks on their backs. The elephant started complaining that his load was too heavy. The tiger said to him "Why are you complaining? If you gave me one of your sacks I'd have double what you have and if I give you one of my sacks we'd have an equal amount." How many sacks were each of them carrying? Give the minimal possible answer.
(A) 7 & 9 (B) 5 & 7
(C) 11 & 13 (D) 6 & 8
15. Kavish, a chain smoker, one day found it extremely difficult to go out to the market to get some cigarettes. He had some cigarettes' butts with him and he could pull tobacco out of some butts. 5 butts of tobacco make a cigarette. He collected the tobacco and made the cigarettes from the 121 butts available with him. How many cigarettes would be able to smoke?
(A) 30 (B) 50
(C) 20 (D) 26
16. A monkey is trying to climb a coconut tree. He takes 3 steps forward and slips back 2 steps. Each forward step is 30 cm and each backward step is 40 cm. How many steps are required to climb a 100 cm tree?
(A) 20 (B) 50
(C) 8 (D) 10
17. What is the total number of digits printed, if a book containing 150 pages is to numbered from 1 to 150?
(A) 262 (B) 342
(C) 360 (D) 450
18. If second and fourth Saturdays and all the sundays are taken as only holidays for an office, then what would be the minimum number of possible working days of any month of any year?
(A) 23 (B) 21
(C) 22 (D) 20
19. In an entrance exam, a student has to attempt 250 questions in 4 hours. Out of these 250 questions, 50 questions are on Quantitative Ability. How many minutes should be spent on Quantitative Ability section if his mentor has suggested him that he must spend twice as much time on each maths problem as spent for every other question?
(A) 120 min (B) 40 min
(C) 80 min (D) 60 min
20. If you have two straight sticks of length 7.5 feet and 3.25 feet. What is the minimum length can you measure?
(A) 0.05 foot (B) 0.25 foot
(C) 1 foot (D) 3.25 feet

Copyright © by Vision IAS

All rights are reserved. No part of this document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission of Vision IAS.