

MATH COMPETITION QUESTION AND ANSWERS

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Where can I ask math questions and get answers?

What are some good questions for math with answers?

What is the hardest math competition ever? In “the Putnam,” as it's known, contestants spend two 3-hour sessions trying to solve 12 proof-based math problems worth 10 points apiece. More than 150,000 people have taken the exam in the contest's 85-year history, but only five times has someone earned a perfect score. Total scores of 1 or 0 are not uncommon.

What is the most famous math competition? American Mathematics Competition
The AMC is one of the most well-known and prestigious competitions students can participate in, and performing well opens the door to other opportunities, such as the USA Math Olympiad. The AMC hosts several mathematics competitions, including AMC 10 A, AMC 12 A, and AMC 10 B.

What is the best math answer website?

What is the app called that gives you math answers? Billions of math problems: From elementary arithmetic to advanced calculus and everything in between, Photomath can solve billions of math problems—including word problems! Whether handwritten, in a textbook, or on a screen, Photomath is here to help you untangle your trickiest problem.

What was the hardest math question?

What are the 4 types of math questions?

What is math quiz competition? What is a mathematical quiz? A competition that involves more than one student participating in a Mathematical quiz simply makes a mathematics quiz competition. These competitions are in vogue right now.

What is the easiest sum in the world?

Who is fastest math? Did you know that the "World's Fastest Human Calculator", a title that you're probably hearing for the first time, is an Indian man? Born in Andhra Pradesh's Eluru in 1999, Neelakantha Bhanu Prakash "is to math what Usain Bolt is to running," at least according to the BBC.

What is the hardest math to take? 1. Real Analysis: This is a rigorous course that focuses on the foundations of real numbers, limits, continuity, differentiation, and integration. It's known for its theoretical, proof-based approach and can be a paradigm shift for students used to computation-heavy math courses.

What is the biggest math question in the world? Mathematicians worldwide hold the Riemann Hypothesis of 1859 (posed by German mathematician Bernhard Riemann (1826-1866)) as the most important outstanding maths problem. The hypothesis states that all nontrivial roots of the Zeta function are of the form $(1/2 + bi)$.

What is the oldest math competition? International Mathematical Olympiad (IMO) — the oldest international Olympiad, occurring annually since 1959. International Mathematics Competition for University Students (IMC) — international competition for undergraduate students.

Who is the most famous math?

How to solve maths problems quickly?

How to simplify an equation?

How to get maths answers online?

What website is the best to get math answers?

What is the best math problem solver?

How do I get math answers on Google? Simply type your equation or integral into the Search bar, or take a picture with Lens, to see a step-by-step explanation and solution.

Where can I ask a question and get an answer?

Where can I get math help online for free? GreeneMath.com exists to offer free math help to anyone with an internet connection! Our goal is to provide a classroom-like experience, guiding students step by step through each topic. We don't replace traditional classrooms, but rather we strive to help students transcend them.

Is there a website to help with math? Khan Academy is a free website that offers thousands of math lessons for learners of all ages. From Pre-K to college level, courses cover various math topics. Once registered at the Khan Academy website, you can learn math for free through video content, quizzes, and practice exercises.

Is there a website that solves math word problems? Because the Wolfram Language has powerful symbolic computation ability, Wolfram|Alpha can interpret basic mathematical word problems and give descriptive results.

How to solve mixture problems step by step?

What is an example of a mixture problem? Mixture problems involve combining two or more things and determining some characteristic of either the ingredients or the resulting mixture. For example, we might want to know how much water to add to dilute a saline solution, or we might want to determine the percentage of concentrate in a jug of orange juice.

What is the formula for mixing solutions? Calculate appropriate v/v dilution using the formula $C_1V_1 = C_2V_2$ where C represents the concentration of the solute, and V represents volume in milliliters or ml. An example would be combining 95 percent ethanol with water to mix 100 ml of 70 percent ethanol. The calculation is $95\% \times V_1 = 70\% \times 100\text{ml}$.

How much 10% solution and how much 45% solution should be mixed together to make 100 gal of 25% solution? $35y = 15y = 42.86$ gallons (rounded to two decimal places)
 $x = 100 - y = 57.14$ gallons (rounded to two decimal

places)Therefore, we need 57.14 gallons of the 10% solution and 42.86 gallons of the 45% solution to make 100 gallons of 25% solution.

How many liters of a 12% and 33% alcohol solution must be mixed to obtain 21 liters of a 25% solution? Detailed Solution ? The required quantity will be 8 liters, 13 liters. Let us denote by y liters the amount of 12% solution. If $y = 8$ liters; then the other amount, denoted by $21 - y$ must be $21 - 8 = 13$ liters.

How much of a 20% acid solution would a chemist have to mix with 1000 mL of a 40% acid solution to yield a 36% acid solution? How much of a 20% acid solution would a chemist have to mix with one liter of a 40% acid solution to yield a 36% acid solution? The chemist must add 250 milliliters of the 20% acid solution.

What are 3 examples of mixtures solutions? Some examples of solutions are salt water, rubbing alcohol, and sugar dissolved in water. When you look closely, upon mixing salt with water, you can't see the salt particles anymore, making this a homogeneous mixture.

What is a mixture 5 examples? Examples of mixtures include blood, milk, salt and water, sand and water, etc. Mixtures can be homogeneous or heterogeneous on the basis of the distribution of their constituent particles. If there is an even distribution of constituent particles, the mixture is homogeneous. For example, a mixture of salt and water.

How much of a 90% solution of insect spray must a farmer add to a 200 cc of 40% insect spray to make a 50% solution of insect spray? Final answer: To make a 50% insect spray solution, a farmer will need to add 50cc of a 90% insect spray solution to the existing 200cc of a 40% insect spray solution.

What is the simplest mixing method? Stirring. This is one of the simplest and most basic mixing methods. Use a whisk, spoon, or rubber spatula to mix your ingredients by hand.

How to calculate mixtures?

How to make a mixture of solutions? A solution is a mixture made by dissolving one or more substances in a liquid. In a solution, the substance that is being dissolved is the solute and the liquid it is being dissolved in is the solvent.

How do you make a 10% solution from 100%? You can either add 10 g to 90 g of solvent (so that we have 10 g in 100 g of solution). This is called mass-percent. Or you can add 10 ml to 90 ml of solvent (or to be more precise, you add enough solvent to get exactly 100 ml because of volume contraction).

How do you calculate how much solution you need? Since the density of water is 1 g/ml, the formula to calculate the amount of solute that must be mixed for a weight percent solution is: grams of solute = (wt% solution) x (ml of water) ÷ (100 – wt% solution)

How do you mix a 10% solution? 10 percent solution means the solute is only 10% in the solution, so taking the volume of the solvent 100 ml then the mass of the solute will be either 10 gram or 10 ml. For example, 10% solution of sodium chloride (NaCl) means 10 grams of sodium chloride is mixed in 100 ml of water.

How much of a 30% salt solution should be mixed with 10l of 20% salt solution in order to obtain a 25% salt solution? So, 10 liters of a 30% salt solution should be mixed with the 10 liters of 20% salt solution to obtain a 25% salt solution.

How many liters of 20 percent alcohol solution should be added to 40 liters? OK. You must add 80 liters of 20% dilute solution to 40 liters of 50% concentrate solution get 120 liters of 30% solution at intermediate concentration.

How many gallons of a 30% alcohol solution must be mixed with 60 gallons of a 14% solution to obtain a solution that is 20% alcohol? Expert-Verified Answer 36 gallons of the 30% alcohol solution must be mixed with the 60 gallons of the 14% solution to obtain a solution that is 20% alcohol.

How many liters of alcohol must be added to 40 liters of a mixture which is 65% alcohol to obtain a mixture which is 80% alcohol? How many liters of alcohol must be added to 40 liters of a mixture which is 65% alcohol to obtain a mixture which is 80% alcohol? The ratio of mixture and pure alcohol in new solution is 20:15 or 4:3. \Rightarrow Pure alcohol required = $40/4 \times 3 = 30$ Litres.

How much 10% solution and how much 45% solution should be mixed together to make 100 gallons of 25% solution? Question 504652: How much 10% solution and how much 45% solution should be mixed together to make 100 gallons

of 25% solution? (Show Source): You can put this solution on YOUR website! You need 57.143 gals of 10% solution and 42.857 gals of 45% solution for your mix..

How many gallons of 40 percent alcohol solution must be mixed with 70 percent solution to obtain 30 gallons of a 52 percent alcohol solution? Expert-Verified Answer To obtain 30 gallons of a 52 percent alcohol solution, you need to mix 20 gallons of 40 percent alcohol solution with 10 gallons of 70 percent alcohol solution.

What is the most used substance when doing solution and mixture? Water is known as a universal solvent because it can dissolve many substances, including ionic and polar covalent compounds. When water dissolves ionic compounds, it creates electrolyte solutions that can conduct electricity.

What does it mean if a solution is saturated? A saturated solution is a homogeneous mixture in which the dissolved substance is in dynamic equilibrium with its undissolved form, which means there are equal amounts of solute and solvent. Another way of saying this is that a saturated solution contains the maximum possible concentration of its solute.

Does milk is a solution? Milk, in general, is a solution since it is essentially a combination of proteins (casein and whey), lactose, trace elements, lipids, fats, and other things suspended in water with no bonding. However, this is incorrect from a technical standpoint. To be clear, milk is an emulsion rather than a complete solution.

How do you solve problems step by step?

How do you solve ratio problems step by step?

How much of a 20% acid solution should we add to 20 gallons of a 42% acid solution to get a 35% acid solution? Final answer: To obtain a 35% acid solution from a 20% acid solution and a 42% acid solution, you need to add 10.33 gallons of the 20% acid solution.

How do you solve mixed equations?

What are the 7 steps in problem-solving?

What are 5 basic steps in problem-solving?

What are the four 4 steps in solving a problem?

How do you solve ratio mixture problems?

What is the formula for solving ratios? How to Find the Ratio of Two Numbers?
The ratio of two numbers can be calculated using the ratio formula, $p:q = p/q$.

What is the easiest way to calculate ratios? If you are comparing one data point (A) to another data point (B), your formula would be A/B . This means you are dividing information A by information B. For example, if A is five and B is 10, your ratio will be $5/10$.

How many liters of a 25% acid solution must be added to 30 liters of 80% acid solution to create a 50% acid solution? The total amount of acid in the resulting mixture is $24 + 0.25x$ liters. Therefore, 36 liters of the 25% acid solution must be added to 30 liters of the 80% solution to create a 50% acid solution.

How much of a 30% salt solution should be mixed with 10l of 20% salt solution in order to obtain a 25% salt solution? So, 10 liters of a 30% salt solution should be mixed with the 10 liters of 20% salt solution to obtain a 25% salt solution.

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What is the formula for solving mixture problems?

What are the 7 types of fractions with examples? The different types of fractions are proper fractions, improper fractions, mixed fractions, like fractions, unlike fractions, unit fractions and equivalent fraction. Some examples of different types of fractions are proper fractions (e.g., $1/2$), improper fractions (e.g., $5/4$), mixed numbers (e.g., $2\frac{1}{3}$), and more.

How do you simplify mixed numbers step by step?

Unveiling the Ethereal Encounters: A Q&A with Budd Hopkins on UFO Experiences

Budd Hopkins, an acclaimed researcher in the field of UFO abductions, has dedicated decades of his life to investigating numerous alleged incidents and sharing insights into the enigmatic phenomena. Here's an exploration of his perspectives through a series of questions and answers:

Q: What prompted your interest in UFO abductions? **A:** As a hypnotherapist, I encountered clients who recounted vivid experiences of being taken aboard unidentified flying objects, often with implications of medical examinations and encounters with non-human beings.

Q: Can you describe the typical characteristics of these alleged abductees? **A:** Abductees generally exhibit certain commonalities, such as missing time periods, physical scars or implants, altered consciousness, and persistent dreams or visions related to UFOs or alien beings.

Q: What are the most compelling pieces of evidence supporting the existence of UFO abductions? **A:** The consistency of abductees' descriptions across different cultures and time periods, the independent corroboration of physical evidence (e.g., scars, implants), and the lack of alternative explanations for the experiences are all significant factors.

Q: How do skeptics challenge these claims? **A:** Critics often question the reliability of abductee testimony due to factors such as hypnosis, suggestibility, and psychiatric conditions. However, Hopkins argues that the consistent patterns and independent evidence support the authenticity of these experiences.

Q: What do you believe is the purpose behind these alleged abductions? **A:** Hopkins suggests that the abductions may be part of a broader scientific or evolutionary experiment by non-human beings. The recurring medical examinations and genetic studies could indicate an interest in studying human biology and evolution from a different perspective.

Touch of Power Healer: A Q&A with Maria V. Snyder

Maria V. Snyder, the acclaimed author of the "Touch of Power" series, has created a captivating world where healers wield the power of touch to mend wounds and ignite abilities.

Q: What inspired the "Touch of Power" series?

A: I was inspired by the idea of a world where healers are revered and respected. In our world, doctors are often seen as distant and clinical, but in the "Touch" series, healers are seen as sacred beings who connect with their patients on a deeply personal level.

Q: What are the unique abilities of the Healer caste?

A: Healers possess the ability to manipulate the life force, called vivka, which flows through all living things. They can use vivka to heal wounds, mend broken bones, and even awaken dormant abilities in others. However, manipulating vivka comes at a cost, as it can drain the healer's own life force.

Q: What is the difference between a Lesser Healer and a Greater Healer?

A: Lesser Healers have the ability to perform basic healing, such as mending small wounds and treating minor ailments. Greater Healers, on the other hand, possess more advanced skills and can heal severe wounds, cure diseases, and even alter physical characteristics.

Q: Who is Avry, the main character of the series?

A: Avry is a young woman who discovers she is a Greater Healer. Despite her initial fear and reluctance, she embraces her destiny and embarks on a perilous journey to learn the secrets of her power. Along the way, she encounters allies and enemies who will test her limits and shape her future.

Q: What can readers expect from the upcoming book in the series, "A Touch of Death"?

A: "A Touch of Death" will take readers to a dark and treacherous world where Avry must confront her greatest fears and make impossible choices. She will uncover secrets that will challenge her beliefs and test the bonds of her friendships.

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