

# MATH RIDDLES ANSWERS

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**What are some good math riddles with answers?**

**What can you put between 3 and 7 riddles?** The math symbol that will be suitable here is the decimal point '. '. By placing the decimal point in between 3 and 7, we get 3.7, which is indeed greater than 3 and lesser than 7.

**How to solve number riddles?**

**What is the hardest math problem with no answer?**

**What is the oldest math riddle?** The oldest known mathematical puzzle dates from Archimedes, more than two millennia ago. It is, in fact, a dissection puzzle - and appears in a treaty known today as Archimedes' Stomachion (or Ostomachion, or Syntemachion), contained in a Palimpsest written over by an anonymous medieval scribe compiling prayers.

**What is the half of 2 2 and how?** Half of  $2+2$  = Half of  $(2+2) = (.5)(4) = 2$ .

**How is 4 half of 5?** In the "modern" recreation of Roman numerals, the letters IV stand for the number four. The I represents one, the V represents five, and, so it was thought, putting the I before V meant one less than five, or four. Since IV is half the letters of the word FIVE, they represent "half" of FIVE.

**What has many keys but Cannot open?** Answer: "A Piano" is the correct answer. A piano is a musical instrument with many keys but can't open a single lock. A keyboard is another answer to this. It has keys but no locks.

**What can 5 and 7 both go into?** The common multiples of 5 and 7 include 35, 70, 105, 140, 175, 210, 245, 280, and so on. The least common multiple(LCM) is 35. A

multiple is the result of multiplying a number by an integer.

**What is 555 math riddle?**

**What can you catch but not throw?** Answer: "A Cold" or "Illness". You can catch a cold or illness, but you cannot just throw it like any other object. This is a beautiful riddle which shows humor and the application of common sense. There can be one more answer possible for this riddle: "Your Breathe".

**What is the math riddle 1089?**

**What is the easiest sum in the world?**

**What are the 7 unsolved mathematics?**

**Has  $3x-1$  been solved?** The  $3x + 1$  problem or Collatz Conjecture, also known as the  $3n + 1$  problem, is a famous unsolved problem in mathematics that has puzzled mathematicians for over half a century. The problem is deceptively simple to state, but it has resisted all attempts to solve it.

**What comes but never arrives?** 18) Riddle: What is always coming but never arrives? Answer: Tomorrow. Explanation: You are always approaching the next day (i.e. tomorrow) but when it arrives it is no longer 'tomorrow' but instead it is 'today'.

**What's a good math riddle?** Riddle: If a hen and a half lay an egg and a half in a day and a half, how many eggs will half a dozen hens lay in half a dozen days? Answer: Two dozen. If you increase both the number of hens and the amount of time available four-fold (i.e.,  $1.5 \times 4 = 6$ ), the number of eggs increases 16 times:  $16 \times 1.5 = 24$ .

**What is the hardest math problem no one can solve?** Math problems like the Poincaré conjecture and Fermat's last theorem took centuries to solve. However, others like the Riemann hypothesis and Goldbach's conjecture still haunt mathematicians and inspire new generations to find solutions. Here we take a look at some of the hardest unsolved problems in math.

**What's have of 24?** Answer and Explanation: Half of 24 is 12.

**What is have of 18?** Half of 18 is 9. \_\_\_\_\_

**What is half of \$5?** Answer: Half of 5 is  $\frac{5}{2}$  as a fraction and 2.5 as a decimal.

**What is half of \$15?** Answer and Explanation: Half of 15 is 7.5.

**How is 7 different from 1 to 10?** Seven is the only number below ten that you cannot be multiplied or divided and still be a whole number under 10: The numbers 1, 2, 3, 4 and 5 can be doubled and always between 1 – 10. 6, 8 and 10 can all be halved.

**What is half of \$13?** Answer and Explanation: Half of 13 is 6.5. You get this answer by dividing 13 by 2.

**What do you put on the table and cut but never eat 9 23 8 10 6 12 7 31 14 15 41 24?** We put on the table and cut but never eat is a Deck of cards for a pack of playing cards. The answer is appropriate because we need a table to play cards and spread cards on it.

**What is half of 2 plus 2 riddle answer?**

**When my father was 31 I was 8?** When my father was 31 I was 8. Now he is twice as old as me. How old am I? Answer: I must be 23 if my father is twice as old as me.

**How can you take 2 from 5 and leave 4?** Expert-Verified Answer When you 'take 2 from 5 and leave 4', you transition from numbers to referring to the characters or letters that spell out the numbers. The number 'FIVE' consists of four characters and when you remove the two letters 'F' and 'E', you leave behind 'IV' which is '4' in Roman numerals.

**What can you eat but never eat?** The answer to this riddle is "a plate". People buy plates to put their food on, but they never actually eat the plate itself.

**What can you cut but not eat?** Riddle: What is cut on a table, but is never eaten? I'm old, erudite and cynical. A deck of cards.

**What is black when you buy it?** HERE'S YOUR ANSWER. => That thing is Charcoal. Explanation: It is Charcoal which is black when we buy it or when not being used. It gets red in appearance when put in use means to say when burning.

**What is half of \$5?** Answer: Half of 5 is  $\frac{5}{2}$  as a fraction and 2.5 as a decimal.

**What is 4 into half?** The answer will be 2 as 4 divided by 2=2.

**What is have of 18?** Half of 18 is 9.

**How many dads are over 40?** The average age of newborns' fathers in the United States has grown by  $3\frac{1}{2}$  years over the past four decades, according to a new study from investigators at the Stanford University School of Medicine. Men over the age of 40 now account for about 9 percent of all U.S. births.

**Who fathered a child at 80?**

**Is 37 an old dad?** In short, yes (Harris 2019, NICE 2013). Although most men are able to have children well into their 50s and beyond, it becomes gradually more difficult after the age of 40 . There are many reasons for this, including: Sperm quality tends to decrease with age.

**What has 88 keys and can't open a door?** A piano has 88 keys and they cannot open a door. Hence, the correct answer to the riddle is a piano.

**Which room doesn't have doors and windows?** So, what is the answer to the riddle? The answer is a mushroom. A mushroom has neither doors nor windows and therefore meets the criteria of the riddle.

**Is it possible 5 2 4 if yes then how?** I'm sorry, but  $5-2$  is not equal to 4. The difference between 5 and 2 is 3. If you are asking whether it is possible to obtain the number 4 by subtracting two numbers, then yes, it is possible. For example, if we subtract 1 from 5 and add 3 to the result, we get 4.

### **Theory of Machines by S.S. Rattan: Solutions to Common Questions**

**Question 1: Explain the importance of kinematics in the study of machines.**

**Answer:** Kinematics focuses on the motion of machines without considering the forces involved. It helps us understand the displacement, velocity, and acceleration of machine components, which is crucial for analyzing their performance and designing efficient mechanisms.

**Question 2: Describe the difference between velocity ratio and mechanical advantage.**

**Answer:** Velocity ratio refers to the ratio of the input velocity to the output velocity of a machine. Mechanical advantage, on the other hand, measures the ratio of the output force to the input force. While velocity ratio is a measure of speed efficiency, mechanical advantage indicates force amplification.

**Question 3: What is the significance of a cam-follower mechanism?**

**Answer:** Cam-follower mechanisms convert rotary motion into linear motion or vice versa. They are commonly used in engines, pumps, and other machinery, providing precise control over the motion of machine elements.

**Question 4: Explain the working principle of a gear train.**

**Answer:** A gear train is a series of gears connected together to transmit motion and power. Each gear in the train has a specific number of teeth, and the speed ratio of the system is determined by the ratio of the teeth numbers. By combining different gears, we can achieve desired speed transformations.

**Question 5: Describe the applications of a flywheel in machinery.**

**Answer:** A flywheel is a heavy rotating disk attached to a rotating shaft. It stores kinetic energy when the machine is in motion and releases it during sudden changes in load or speed. Flywheels are used to regulate speed, smooth out fluctuations, and prevent excessive vibration in machinery.

**How many recipes are in the unofficial Harry Potter cookbook?** The cookbook contains 10 chapters and 150 recipes. While a traditional cookbook organizes its recipes under chapters like main dishes, salads, and sides, the Unofficial Potter has chapters like “Recipes from a Giant and an Elf” (Rock Cakes, Bath Buns, Treacle Fudge, Kreacher's French Onion Soup, etc.)

**Is there a butterbeer recipe in the unofficial Harry Potter cookbook?** The 150 recipes in Bucholz's cookbook are classic versions of some of the foods cited in the “Harry Potter” books. But because of copyright rules, dishes named by Rowling,

including butterbeer, could not be used in the “unofficial” cookbook.

**Who wrote the unofficial Harry Potter cookbook?** Dinah Bucholz is the bestselling author of The Unofficial Harry Potter Cookbook. She lives in Philadelphia with her husband where she spends her time cooking and writing.

**How many recipes do most cookbooks have?** The standard expectation is that a cookbook should have between 70 and 100 recipes, but larger compendiums have at least 200. Think carefully about how many you want to include. You might want to save some back for cookbook number two!

**Did J.K. Rowling create Butterbeer?** In Bon Appetit's January 2002 issue, author J.K. Rowling was asked what butterbeer tastes like, and she said: "I made it up. I imagine it to taste a little bit like less sickly butterscotch." The version sold at The Wizarding World was tasted and approved by Rowling herself.

**Can Hogwarts students drink Butterbeer?** It was served at numerous locations in the wizarding world and had a very slight alcoholic content. Students of Hogwarts School of Witchcraft and Wizardry would often buy it when visiting Hogsmeade. It could be served either hot or cold.

**Did Butterbeer exist before Harry Potter?** But its origin dates back much further than J.K. Rowling's films. Butterbeer, or “Buttered beere” as it was described in 1594, has existed for many centuries. At the time of the Tudors, beer was already a typical and commonly consumed drink.

## **Sound Innovations for Concert Band Bk 2: A Revolutionary Method for Early Intermediate Musicians (Bb Clarinet Book, CD & DVD)**

**Question 1: What is the target audience for this method book?** Answer: Early intermediate musicians playing the Bb clarinet, typically those with 2-3 years of experience.

**Question 2: What makes this method revolutionary?** Answer: This method features innovative teaching techniques, including:

- Synchronized audio and video demonstrations to enhance understanding
- Graduated exercises and etudes tailored to specific technical challenges

- A comprehensive theory section to solidify musical concepts

**Question 3: What are the key features of the book?** Answer: The book includes:

- 12 lesson modules covering major and minor tonalities, articulation, dynamics, and more
- Over 100 etudes and exercises to develop technique and musicianship
- Supplementary exercises and activities to reinforce learning

**Question 4: What is included in the CD and DVD?** Answer: The accompanying CD and DVD provide:

- Audio recordings of all exercises and etudes
- Detailed video demonstrations of playing techniques and musical concepts
- Interactive exercises and quizzes to assess progress

**Question 5: How will this method benefit musicians?** Answer: This method will help musicians:

- Improve their technical proficiency and musical intonation
- Develop a strong foundation in music theory
- Enhance their performance skills and musical expression
- Prepare for advanced band and ensemble work

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