

**Great
for full lesson
plans!**

MATHCOUNTS® Faster Arithmetic Methods



Warm-Up!

Solve these problems before watching the lesson.

1. $2 + 0.57$

2. The value of $1 \times 12 + 2 \times 11 + 3 \times 10 + 4 \times 9 + 5 \times 8 + 6 \times 7 + 7 \times 6 + 8 \times 5 + 9 \times 4 + 10 \times 3 + 11 \times 2 + 12 \times 1$

Alan has 25 marbles, of which 20% are red. Thyra has 20 marbles, of which 70% are not red. What is the absolute difference between the numbers of red marbles they have?

4. What is the value of the sum $\frac{1}{9} + \frac{2}{9} + \frac{3}{9} + \frac{4}{9} + \frac{5}{9} + \frac{6}{9} + \frac{7}{9} + \frac{8}{9}$?

5. What is the value of the sum $0.49 + 0.53 + 0.55 + 0.47 + 0.48$? Express your answer as a decimal to the nearest hundredth.



The Problems

Take a look at the following problems and follow along as they are explained in the video.

6. What is the value of the sum $\frac{1}{87} + \frac{2}{87} + \frac{3}{87} + \frac{4}{87} + \dots + \frac{84}{87} + \frac{85}{87} + \frac{86}{87}$?

7. What is the value of $1 \times 9 + 2 \times 20 + 3 \times 99 + 4 \times 999 + 5 \times 9999$?

8. What is the value of $55 \times 33 = 153$?

Mathcounts Club Resource Guide Problem Set

R Barnett



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Inquiry and Problem Solving ,1999 **ENC Focus** ,1999 *Forthcoming Books* Rose Arny,1996-06 **Children's Books in Print, 2007** ,2006 **Who's who in American Education** ,1992 *Who's Who in America* Marquis Who's Who, Inc,2002 **Who's who in the West** ,1992 *Who's who in the Midwest* ,2004 **Twenty Mock Mathcounts Sprint Round Tests** Sam Chen,Guiling P. Chen,2011 This book contains 20 sets of mock Mathcounts Sprint Round problems with the answer keys Each test consists of 30 problems These problems can be used to train students to compete at the Mathcounts State level as well as the National level Solutions can be downloaded free <http://www.mymathcounts.com/Forum/index.php/board/243/0> **Mathcounts National Competition Practice** Yongcheng Chen,2016-10-06 This book can be used by 6th to 8th grade students preparing for Mathcounts State and National Competitions This book contains a collection of five sets of practice tests for MATHCOUNTS National competitions including Sprint and Target rounds One or more detailed solutions are included for every problem

The Top Books of the Year Mathcounts Club Resource Guide Problem Set The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous captivating novels enthralling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the fascinating narratives that have captivated audiences this year. Mathcounts Club Resource Guide Problem Set : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Mathcounts Club Resource Guide Problem Set : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This spellbinding historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's absorbing storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens' "Where the Crawdads Sing" This captivating coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is an exceptional and thrilling novel that will keep you guessing until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

<http://www.armchairempire.com/public/scholarship/default.aspx/Journey%20To%20The%20Heart%20Centering%20Prayer%20For%20Children.pdf>

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