

## Scientific Notation Word Problems

- 1) According to scientists, the Earth's mass is  $5.98 \times 10^{24}$  kilograms. The mass of the Sun is  $1.989 \times 10^{30}$  kilograms. How much greater is the mass of the Sun than the mass of the Earth?

Explanation:

- First we write the mass of the Sun as  $1.989 \times 10^{30}$  and the mass of Earth as  $5.98 \times 10^{24}$ .
- We have to subtract  $5.98 \times 10^{24}$  from  $1.989 \times 10^{30}$   
 $1.989 \times 10^{30} - 5.98 \times 10^{24}$

(Remember what we do when we subtract in scientific notation)

- Choose the highest exponent. Take the difference.  
Convert the constant of the lower exponent.

Move 5.98 to the LEFT 6 places. = 0.00000598

$$1.98 - 0.00000598 = 1.98899402 \times 10^{30}$$

So the answer is  $1.98899402 \times 10^{30}$ .

# Hw 7 5 Scientific Notation Word Problems Answer Key

**M Walker**



## **Hw 7 5 Scientific Notation Word Problems Answer Key:**

**Key Maths** David Baker, 2001 Planned developed and written by practising classroom teachers with a wide variety of experience in schools this maths course has been designed to be enjoyable and motivating for pupils and teachers The course is open and accessible to pupils of all abilities and backgrounds and is differentiated to provide material which is appropriate for all pupils It provides spiral coverage of the curriculum which involves regular revisiting of key concepts to promote familiarity through practice This teacher s file is designed for stage two of Year 9 [El-Hi Textbooks & Serials in Print, 2005](#), 2005 **El-Hi Textbooks and Serials in Print**, 2006 *Success with Math* Chandra K. Smith, 2005-10 Decimals are an integral part of building a strong foundation in mathematics The more familiar students are with decimals the less scary the problems will seem Bolster math skills with this essential supplementary book The step by step approach can be used for independent study or to supplement the regular textbook Grades 3 7 **Active Lessons for Active Brains** Abigail Norfleet James, Sandra Boyd Allison, Caitlin Zimmerman McKenzie, 2014-03-04 Learn what to do when your students feet just can t keep still If you have had enough of repeating yourself to students who aren t listening try a little less talk and a lot more action The authors of Active Lessons for Active Brains have assembled an indispensable ready to use collection of mathematics language arts science and classroom management strategies to focus a classroom full of energetic minds Designed for active hands on learners whether male or female the text provides more than 70 specific lesson plans for addressing students common challenges already differentiated to match their experiential learning style The many benefits of using this book include A more orderly classroom Enhanced capacity to focus on tasks Improved retention of subject matter Increased student engagement This book contains a wealth of examples visuals and material that can be easily reproduced in the classroom Suitable for upper elementary to high school students lesson plans can be readily adapted to suit any curriculum

The Top Books of the Year Hw 7 5 Scientific Notation Word Problems Answer Key The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous compelling novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the captivating narratives that have enthralled audiences this year. Hw 7 5 Scientific Notation Word Problems Answer Key : Colleen Hoover's "It Ends with Us" This poignant 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. Hw 7 5 Scientific Notation Word Problems Answer Key : Taylor Jenkins Reid's "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reid's compelling 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 mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular 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 a brilliant and thrilling novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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