

## Chapter 1 : Rounding Significant Figures

*Significant Figures With Answers. Showing top 8 worksheets in the category - Significant Figures With Answers. Some of the worksheets displayed are Significant figures work, Significant figures name, Reading instruments with significant figures work, Significant figures practice work, Significant figures and rounding work, Value of figures, Practice work for significant figures, Solutions to.*

Here you will find a selection of free printable rounding Worksheets, which will help your child learn to round numbers to either 1, 2 or 3 significant figures. You might need to round a number to the nearest 10, , , etc. How many significant figures do I need to round to? Often when you are dealing with numbers in the real world, you do not need to know the exact answer but simply an approximation. Rounding to 1 significant figure will give you a rough approximation of what the answer is. Rounding to 2 significant figures will give you a reasonable approximation of your answer and it is usually enough for most quantities where you do not have to be exact. Rounding to 3 significant figures will give you a very close approximation of your answer and it is usually the most precise that you will need to be for everyday working out. How is it different from Rounding to decimal places? Rounding to significant figures is different from rounding to decimal places. The first significant figure is the first non-zero digit a number has. The second significant figure is the digit after the 1st significant figure. The third significant figure is the digit after the 2nd significant figure, and so on. See below for help to round a number to a set number of significant figures. Rounding numbers to 1 significant figure 1SF When you are rounding a number to 1 significant figures, you are trying to reduce the number to a single digit and zeros and possibly a decimal point to indicate its place value. How to round a number to 1 significant figure Look at the 2nd significant digit that the number has. In a decimal, the first significant digit is the first non-zero digit. The 2nd significant digit is the digit after the first. Examples rounds up to , because the 2nd significant digit is a 7. Rounding numbers to 2 significant figures 2sf When you are rounding a number to 2 significant figures, you are trying to reduce the number to a two digits and zeros and possibly a decimal point to indicate its place value. How to round a number to 2 significant figures Look at the 3rd significant digit that the number has. This is the digit which is two digits after the most significant digit. Examples rounds up to , because the 3rd significant digit is a 7. Rounding to 3 significant figures 3sf When you are rounding a number to 3 significant figures, you are trying to reduce the number to a 3 digits and zeros and possibly a decimal point to indicate its place value. How to round a number to 3 significant figures Look at the 4th significant digit that the number has. Examples rounds down to , because the 4th significant digit is a 1. Rounding Significant Figures Worksheets Here you will find a range of free printable rounding worksheets to help your child learn to round numbers to either 1,2 or 3 significant figures. These sheets are carefully graded so that the easier sheets come first and give extra support. Each sheet comes with a separate printable answer sheet. Using these sheets will help your child to: Rounding Significant Figures Worksheets to 1sf.

# DOWNLOAD PDF SIGNIFICANT DIGITS WORKSHEET WITH ANSWERS

## Chapter 2 : Worksheet on Significant Figures | Significant Digits | Rounding off the Number

*Significant Figures Worksheet Key 1. Indicate how many significant figures there are in each of the following measured values. 5 sig figs.*

Click here to get started. We identify significant figures or significant digits in order to accurately represent the precision of measurements or calculations. The ability to identify these digits is important in many areas, including when reporting information using scientific notation and when accurately reporting the results of calculations. One of the most common places students encounter significant figures is when using scientific notation in science class. With scientific notation only the significant figures of a number are preserved, The number 0. Significant figures are also important when making calculations with measurements. For example, if you need to calculate the total weight of a solution that contains In order to present this result without misrepresenting the accuracy of the measurement, the result needs to be presented as This significant figures worksheet is designed to help student practice identifying significant digits in a number. The identifying significant figures worksheet maker creates problem sets for students to practice identifying the significant digits. The students will report their answer by counting the number of significant digits in each number. Each worksheet can contain up to 30 problems each. The worksheet can contain any combination of whole numbers, decimals, or numbers written in scientific notation. The numbers on each sheet are randomly generated using an algorithm that ensures students will get to apply a variety of different rules. This also allows you to create a variety of different worksheets without repeating the same problem sets. After you have customized the worksheet to meet you requirements, you can print it or download it as a PDF in US Letter or A4 paper sizes. Each unique worksheet will include a matching answer sheet. If your students need an additional overview of identifying significant figures and the significant figure rules, then Khan Academy has a video lesson on their website. It does an excellent job of reviewing 6 types of numbers that student may encounter when counting significant digits in a number. Worksheet Features Up to 30 problems on each worksheet Numbers are randomly generated for multiple unique worksheets Designed so students will apply a variety of rules Customize with blanks for date, ID, class period, and student name Creates a PDF in US Letter or A4 paper sizes Includes a matching answer sheet Advertisement.

## Chapter 3 : Significant Figures Worksheets | Identify Significant Digits Worksheets

*This Significant Figures Worksheet is a great handout for reinforcing the rules of significant figures. Identify Significant Digits Worksheet These Significant Figures Worksheets are great for testing the students in their ability to determine the number of significant digits for a given number.*

## Chapter 4 : Significant figures (practice) | Khan Academy

4. Calculate the following. Give the answer in correct scientific notation. a)  $\times 10^5$  b)  $+ \times 10^6 - \times 10^3$ .

## Chapter 5 : Worksheet 1 - Scientific notation/ significant figures

*Worksheet on Significant Figures In math worksheet on significant figures or significant digits, students need to follow the rules while rounding off the number. Practicing rounding off is very useful because it enables us to simplify complex calculations.*

## Chapter 6 : ChemTeam: Significant Figures

*Significant Figures In Operations Worksheets. You should start the problem by identifying the value with the least number of sig figs. That's the number of sig figs your answer needs to be in.*

**Chapter 7 : Chemistry Significant Figures Worksheets - Printable Worksheets**

*Identify Significant Digits Worksheets This Significant Figures Worksheet is great for testing the students in their ability to determine the number of significant digits for a given number. You may select the numbers to be whole, decimal, scientific notation, or all three.*

**Chapter 8 : Significant Figures With Answers Worksheets - Printable Worksheets**

*Practice Worksheet for Significant Figures. 1. State the number of significant digits in each measurement. Solve the following problems and report answers with.*

**Chapter 9 : Answers - Scientific notation/ significant figures 1**

*Worksheet Scientific Notation/Significant Figures Answers #3 1. Give the number of significant figures in each of the following. a) g 6.*