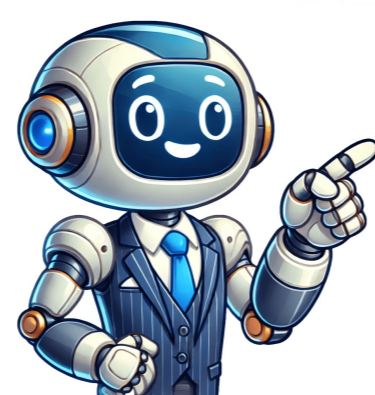


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Free worksheets for 7th graders

You are here: Home – Worksheets – Speed, time, and distance Make customizable worksheets about constant (or average) speed, time, and distance for pre-algebra and algebra 1 courses (grades 6-9). Both PDF and html formats are available. You can choose the types of word problems in the worksheet, the number of problems, metric or customary units, the way time is expressed (hours/minutes, fractional hours, or decimal hours), and the amount of workspace for each problem. There are SEVEN different types of word problems to choose from, ranging from easy to advanced, so you can create a great variety of worksheets. The seven types of problems are explained in detail in the actual generator below. All worksheets include an answer key on the 2nd page of the file. Please use the quick links below to generate some common types of worksheets. Easy speed, time, and distance worksheet 1: How far can it go or how long does the trip take - using whole or half hours Easy speed, time, and distance worksheet 2: How far can it go, how long does the trip take, or what is the average speed - using whole or half hours Speed, time, and distance worksheet 3: How far can it go, how long does the trip take, or what is the average speed - using quarter hours Speed, time, and distance worksheet 4: How far can it go, how long does the trip take, or what is the average speed - time to the 5-minute intervals Speed, time, and distance worksheet 5: problems involve a conversion of minutes to hours. Find the average speed: time is given to the fourth of an hour. Find the average speed: time is given to the twelfth of an hour. Find the average speed: problems involve conversion of a time unit Speed, time, and distance: more challenging problems 1 Speed, time, and distance: more challenging problems 2 For some practice, check out IXL's calculate speed, distance, or time activity! Ease into key concepts with our printable 7th grade math worksheets that are equipped with boundless learning to extend your understanding of ratios and proportions, order of operations, rational numbers, and help you in solving expressions and linear equations, in describing geometrical figures, calculating the area, volume and surface area, finding the pairs of angles, and getting an insight into statistics and probability and much more! Instantly evaluate with our answer keys. Give our free grade 7 math worksheets a try and head over for more! Select Grade 7 Math Worksheets by Topic Writing the Equivalent Ratios Create equivalent ratios that express the same relationship by multiplying the first and second term of the ratio by the same number. Also, complete the table with equivalent ratios. Adding Integers Using Number Lines Open doors to adding integers with our grade 7 math worksheet pdfs. Students start with the first addend, draw as many hops as the other addend toward the right or left on the number line, and find the sum. Exponents and Operations Take your skills in applying the order of operations up a notch as you evaluate the expressions involving fractions with positive and negative exponents. Finding Complementary Angles Two angles are complementary if they add up to 90°. Subtract the angle from 90° to find its complement, state whether each given angle pair is complementary and find the measure of the unknown angle. Comparing Mean Absolute Deviations Perfect for calculating the mean absolute deviation or MAD of the two data sets using the formula, $\frac{\sum |x_i - \bar{x}|}{n}$, and comparing them, these printable math worksheets are a must-have for your grade 7 learners. Forming a Proportion A proportion is nothing but two ratios equivalent to each other. Form a proportion by identifying the four numbers that can be set up as a pair of equivalent ratios from the given set of 5. Adding Integers Rich with scads of practice, this set of math worksheet pdfs for 7th grade learners helps them add two integers with the same sign and subtract those with different signs, and figure out the sum instantly. Squaring Numbers | Fractions Multiply the given fraction by the same fraction to obtain its square. Convert the product to mixed numbers if required, and also identify the square of the given fraction from a pool of options. 1 2 Next You are here: Home – Worksheets – Grade 7 This is a comprehensive collection of free printable math worksheets for grade 7 and for pre-algebra, organized by topics such as expressions, integers, one-step equations, rational numbers, multi-step equations, inequalities, speed, time & distance, graphing, slope, ratios, proportions, percent, geometry, and pi. They are randomly generated, printable from your browser, and include the answer key. The worksheets support any seventh grade math program, but go especially well with IXL's 7th grade math curriculum. The worksheets are randomly generated each time you click on the links below. You can also get a new, different one just by refreshing the page in your browser (press F5). You can print them directly from your browser window, but first check how it looks like in the "Print Preview". If the worksheet does not fit the page, adjust the margins, header, and footer in the Page Setup settings of your browser. Another option is to adjust the "scale" to 95% or 90% in the Print Preview. Some browsers and printers have "Print to fit" option, which will automatically scale the worksheet to fit the printable area. All worksheets come with an answer key placed on the 2nd page of the file. In seventh grade, students will study pre-algebra topics, such as integer arithmetic, simplifying expressions, the distributive property, and solving equations & inequalities. They continue studying ratio and percent and learn about proportions. Please note that these free worksheets do not cover all 7th grade topics; most notably, they do not include problem solving. Introduction to algebra The worksheets in this introductory section correspond with Math Mammoth Grade 7, Chapter 1, and don't involve negative numbers. Order of operations Expressions Equations One-step equations with whole numbers (no negative numbers involved) Integers Number line graphs and simple inequalities involving integers Addition and subtraction Multiplication & Division Many operations etc. One-step equations Rational numbers Convert decimals to fractions and vice versa Decimal Addition and Subtraction Decimal Multiplication and division Fraction addition and subtraction Fraction multiplication and division Scientific notation Complex fractions Equations and inequalities Constant speed, time, and distance Graphing & Slope Ratio Write a ratio and simplify it Ratio word problems Proportions Percent Geometry Area - these worksheets are done in the coordinate grid. Volume & surface area Since these worksheets below contain images of variable sizes, please first check how the worksheet looks like in print preview before printing. If it doesn't fit, you can either print it scaled (such as at 90%), or make another one by refreshing the worksheet page (F5) until you get one that fits. Circle & Pi If you wish to have more control on the options such as number of problems or font size or spacing of problems, or range of numbers, just click on these links to use the worksheet generators yourself. Grade 7 students can discover a world of learning with our free printable worksheets, covering various subjects and topics. Teachers can enhance their lessons and help students excel in their studies. Grade 7 worksheets are an essential resource for teachers looking to engage and challenge their students in a variety of subjects. These worksheets provide a structured and organized way for students to practice and reinforce the skills they are learning in class. With a wide range of topics covered, including math, science, language arts, and social studies, Grade 7 worksheets cater to the diverse interests and abilities of students at this level. Teachers can easily incorporate these worksheets into their lesson plans, using them as in-class activities, homework assignments, or even as assessment tools. By utilizing Grade 7 worksheets, teachers can ensure that their students are receiving a well-rounded education and are prepared for the challenges that lie ahead. Quizizz is an innovative platform that offers a variety of educational resources, including Grade 7 worksheets, to help teachers create engaging and interactive learning experiences for their students. With Quizizz, teachers can access a vast library of pre-made quizzes, worksheets, and other activities, or they can create their own customized content to meet the specific needs of their students. In addition to Grade 7 worksheets, Quizizz also offers features such as real-time feedback, gamification elements, and the ability to track student progress, making it an invaluable tool for teachers looking to enhance their classroom instruction. By incorporating Quizizz into their teaching strategies, educators can provide their students with a fun and effective way to learn and reinforce essential Grade 7 skills. You are here: Home – Worksheets – Grade 7 This is a comprehensive collection of free printable math worksheets for grade 7 and for pre-algebra, organized by topics such as expressions, integers, one-step equations, rational numbers, multi-step equations, inequalities, speed, time & distance, graphing, slope, ratios, proportions, percent, geometry, and pi. They are randomly generated, printable from your browser, and include the answer key. The worksheets support any seventh grade math program, but go especially well with IXL's 7th grade math curriculum. 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Circle & Pi If you wish to have more control on the options such as number of problems or font size or spacing of problems, or range of numbers, just click on these links to use the worksheet generators yourself. ► Equivalent fractions practice (A) ► Equivalent fractions practice (B) ► Equivalent fractions practice (C) ► Adding Fractions (common denominators) (A) ► Adding Fractions (common denominators) (B) ► Subtracting Fractions (common denominators) (A) ► Subtracting Fractions (common denominators) (B) ► Adding Fractions (unlike denominators) (A) ► Adding Fractions (unlike denominators) (B) ► Subtracting Fractions (unlike denominators) (A) ► Subtracting Fractions (unlike denominators) (B) ► Mixed Adding/Subtracting Fractions (Unlike Denominators) ► Adding Mixed Numbers (A) ► Adding Mixed Numbers (B) Adding Mixed Numbers (C) ► Adding Fractions and Mixed Numbers (A) ► Adding Fractions and Mixed Numbers (B) ► Adding Fractions Extended Practice ► Subtracting Mixed Numbers (A) ► Subtracting Mixed Numbers (B) ► Subtracting Mixed Numbers (C) ► Subtracting Mixed Fractions from Whole Numbers (A) ► Subtracting Mixed Fractions from Whole Numbers (B) ► Subtracting Mixed Fractions Extended Practice ► Add/Subtract Fractions and Mixed Numbers Extended Practice ► Converting mixed numbers to improper fractions (A) ► Converting mixed numbers to improper fractions (B) ► Converting improper fractions to mixed numbers (A) ► Converting improper fractions to mixed numbers (B) ► Multiplying fractions and whole numbers (A) ► Multiplying fractions and whole numbers (B) ► Multiplying Fractions and Whole Numbers Extended Practice ► Multiplying fractions and whole numbers (missing factor) (A) ► Multiplying fractions and whole numbers (missing factor) (B) ► Multiplying fractions (intermediate) (A) ► Multiplying fractions (intermediate) (B) ► Multiplying fractions (missing factors) (A) ► Multiplying fractions (missing factors) (B) ► Multiplying Fractions by Fractions Extended Practice ► Multiplying improper fractions (A) ► Multiplying improper fractions (B) ► Multiplying fractions by mixed numbers (A) ► Multiplying fractions by mixed numbers (B) ► Multiplying mixed numbers (A) ► Multiplying mixed numbers (B) ► Divide whole numbers by fractions (A) ► Divide whole numbers by fractions (B) ► Divide fractions by whole numbers (A) ► Divide fractions by whole numbers (B) ► Dividing fractions (easy) (A) ► Dividing fractions (easy) (B) ► Dividing fractions (intermediate) (A) ► Dividing fractions (intermediate) (B) ► Dividing Fractions Extended Practice ► Dividing mixed numbers by fractions (A) ► Dividing mixed numbers by fractions (B) ► Dividing mixed numbers by mixed numbers (A) ► Dividing mixed numbers by mixed numbers (B) ► Converting fractions to decimals (A) ► Converting fractions to decimals (B) ► Converting fractions to decimals (C) ► Converting Between Fractions & Decimals Extended Practice ► Converting mixed numbers to decimals (A) ► Converting mixed numbers to decimals (B) ► Comparing decimals > , ,