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Rational numbers word problems worksheet

Print Answer Key PDF Print With Copy Now (Only test content printed) If you see this message, it means we're having trouble loading external resources on our website. If you are behind a web filter, please make sure that *.kastatic.org and *.kasandbox.org domains are uninterred. Practice the questions given on the word problems worksheet about rational numbers. The questions relate to various word problems in four basic processes on rational numbers.1. Two pieces 13/5 m and 33/10 m long are cut from an 11 m long rope. What's the length of the remaining rope? 2. A drum full of brass weighs 55/4 kg. If the empty drum weighs 55/4 kg, find the weight of rice on the drum. 3. A basket contains three types of fruit weighing 58/3 kg in total. Of these, 73/9 kg is apple, 19/6 kg is orange, the rest is pear. What's the weight of the pears in the basket? 4. One day a rickshaw puller earned \$80. He spent \$68/5 on tea and snacks, \$50 on food and \$22/5 on rickshaw repairs. How much did he save that day? 5. You can find the cost of 17/5 meter fabric per 147/4 meter. 6. A car is moving at an average speed of 202/5 km/h. How far will it cover in 15/2 hours? 7. Find the area of a rectangular park 183/5 m long and 50/3 m wide. 8. Find a square plot area with dimensions of 17/2 meters on both sides. 9. Gasoline costs \$187/4. What does 35 liters of gasoline cost? 10. A plane covers 1020 km in an hour. How far will it cover in 25/6 hours? 11. Fabric 7/2 meter cost is \$23. How much does a meter of fabric cost? 12. A cord with a length of 143/2 m is cut into 26 equal lengths. What is the length of each part? 13. The area of a room is 26m²(/2)). What is the length if the width is 87/16 meters? 14. The multiplication of two rational numbers is 48/5. If one rational number is 66/7, find the other rational number. 15. Rita had \$300. He spent 1/3 of his money on books and the rest on stationery. How much money is left for him? 16. Adrian earns \$16,000 a month. He spends 1/4 of his income on food. The rest are 3/10 of the house rent, and 5/21 of the rest are in children's education. How much money is left for him? To check the exact answers to the above rational problems, the answers to the word problems related to rational numbers are given below. Answer: 1. 51/10 m 2. 317/12 kg3. 145/18 kg 4. 73/2 5 dollars. \$2499/20 6. 303 km 7. 610 m(/²)) 8. 289/4 m(/²)) 9. \$6545/4 10. 4250 km 11. 33/2 \$12. 11/4 m 13. 12 m 14. 56/55 15. \$150 is \$16. \$6400 • Rational Numbers - Rational Numbers on Rational Numbers on the Worksheet Worksheet Rational Numbers Comparing Rational Numbers Worksheet Adding Rational Numbers on The Strength of Rational Numbers Collection on The Multiplication Characteristics of Rational Numbers Worksheet Rational Numbers On Subtraction Rational NumbersSyng The worksheet is divided into rational numbers And the worksheet rational numbers splitting process worksheet rational numbers dividing process rational numbers rational numbers splitting process rational numbers rational numbers Cross-Numbers Worksheet Rational Numbers In Rational Numbers One Or Two Rational Numbers Worksheet Operations in Rational Numbers Worksheet Rational Numbers On Rational Expressions In Rational Numbers Rational Numbers Also Rational Numbers 8th Grade Math Applications Worksheet from Rational Numbers To The MAIN PAGE From The Word Problems to the HOME PAGE Did you not find? Or I just want to know more about Math. Use this Google Search to find what you need. Issue 1 : Subbu spends 1/3 of its monthly earnings on rent, 2/5 on food and 1/10 on monthly regulars. The fraction of his earnings are up to him for other expenses? Solution :Amount spent on rent = amount spent on food = 2/5 Amount spent on normal amount for months = 1/10 Required amount 1 - [(1/3) + (2/5) + (1/10)]L.C.M (3, 5, 10) = 30 = 1 - [(10+12+3)/30] = 1 - (25/30) = (30-25)/30 = 5/30 = 1/6Problem 2 :In a selection region, Find the rational number of voters, 19/25 of them voted for candidate A, and 7/50 voted for others. Solution :P voters in the arts candidate A = 19/25Sectors part candidate B = 7/50 Part of the electorate had voted others = 1 - [(19/25) + (7/50)]L.C. M (25, 50) = 50 = 1 - [(38 + 7)/50] = 1 - (45/50) = (50-45)/50 = 5/50 = 1/10Problem 3 :If 3/4 of an apple box weighs 3 kg and 225 gm, how much is a full box of apples? Solution :1 kg = 1000 g 3 kg = 3000 Therefore, 3000g + 225g = 3225 g Find the weight of the box :- 3/4 weight of the box = 3225g 1/4 box weight = 3225/3 = 1075Weight of the box = 3225 + 1075 = 4300S The required answer is 4 kg 300 gProblem 4 :Mangalam buys a water jug with a capacity of 4/5 liters. If he buys another pitcher 2 2/3 times larger than the smaller pitcher, how many liters can the larger one hold? Solution :Jug capacity = 3 4/5 liters = 19/5Now the second pitcher volume = 2 2/3 times the first pitcher = 8/3So, volume or capacity of the second pitcher (large pitcher) = (19/5) = 152/15 = 10 2/5 liters If you need other things in this section, please search google if you need other things in mathematics. If you have any feedback on our math content, please mail us Thank you for your feedback at all times. You can also visit the following web pages on different things in mathematics. WORD PROBLEMSLCF and LCM word problems Word problems in simple equationsScate problems On linear equationsSual word equationsNormal word problemsSupple variation and inverse variation Word problems Unit price word problems Unit price word problems Word problems comparison ratesReturn habitual units word problems Simple interest word problems simple interest word problems problemsTrigonome word problemsVery word problemsVery word problems decioral word problems In fractions Mixed fractionsone step equation word problems Linear inequalities word problemsSize and rate word problemsDWord problems sets and venn diagramsWord problemsın 9thagorean theorem word problemsWWord problems Average speedWord problems average speed Word problems in the sum of the angles of a triangle 180 degrees Other TOPICS Profit and loss shortcutsTimes , hız ve mesafe kısayollarıEtki ve oransal fonksiyonlarDomain ve rasyonel fonksiyonalarlığıEtki alanı ve aralıkrazyonel fonksiyonlarAralıkrazyonel fonksiyonlarGrafik rasyonel fonksiyonlarLitli rasyonel fonksiyonlar Litoning rasyonel fonksiyonlar ile yinelenen ondalıksayıları kesirilere dönüştürmeRasyonel sayıların Öncimal gösterimiRasyonel sayıların öncimal gösterimi uzun bölümL.C.M yöntemi zaman ve iş problemleri çözmek için 2 güç 256 17Remainder bölündüğünde 17Remainder bölündüğünde cebirsel ifadeler için kelime problemleri göndermeÜç basamaklı sayıların 16Sum bölünür 1, 3, 4Toplam ile oluşturulan üç basamaklı sayının toplamı 1, 3, 4Sum ile oluşturulan üç basamaklı sayının toplamı 7Sum ile bölünebilen üç basamaklı sayının 6Toplamı ile bölünebilir, 1, 1, 2, 3Sum kullanılarak oluşturulan üç dört basamaklı sayının toplamı 1 kullanılarak oluşturulan üç basamaklı sayının toplamı , 2, 5, 6 teller hakkı onlinemath4all.com SBI! Related Topics: Common Core for 7th Grade Math Common Core 7th Grade Videos, Solutions, and 7. Common Core: 7.NS.3 I can solve mathematical and real-world problems involving four processes with rational numbers. (Tom had pieces of rope. The rope was 1 51/2 feet long. The rope was 2 74 inches long. The rope was 3 1.5 meters long. What is the total length of the rope?) I can justify the steps taken to advance multi-step mathematically. real-world problems involving rational numbers. Solve real-world problems involving four processes with rational numbers (7.NS.3) In this lesson, you will learn how to use aggregation and subtraction to solve real-world problems with deci factual numbers by analyzing the situation described in the problem. Example 1: A recipe for trace mixture calls 3/4 cup dried fruit, 1/2 cup mixed nuts and 1/3 cup granola. How many glasses of trace mix does this recipe make? Example 2: Anastasia was 19 inches at birth. Checking her 3 months, she measures 23 1/2 inches. How big is he? Example 3: The Darwin D. Martin house, built by Frank Lloyd Wright, has a rectangular stained glass window 41 1/2 feet long and 26.5 meters wide. What is the area of the window? Example 4: Editor for your school yearly. Each photo line is 85/8 inches wide, including the margin. Each photo is 11/4 inches wide, the space between each photo is 1/8 inch and each margin is inches. How many photos can fit in a row? Rational number word problem Example: When cooled, most liquids simply shrink. Water, on the other hand, actually expands when frozen. Suppose a third of a gallon of water gets frozen, the volume will increase by about 9 percent. What is the volume of ice? Step-by-Step Solutions Show Rational number problem Example: In 1944, computers weighed up to 4,500 kilograms. A modern laptop weighs about 2.7 kilograms. How much did the computers weighed in 1944, what is the weight of a modern laptop? (Express your response as two integer ratios) Show Step-by-Step Solutions Rational number word problem Example: Stocks show how much a company or person has. Puff incorporated belongs to Peter, Paul and Mary. Peter has 4,050 shares, Paul has 2,510, Mary has 5,600 shares. Let's say the company made a profit of \$1,500,000 this year. If each shareholder receives a ratio of total profits equal to the proportion of his share. How much does Mary get paid? (Round to nearest penny) Step-by-Step Solution Suggestions Rational Number Word Problems and PEMDAS Examples: 1. Science teacher fills new fish aquarium. The aquarium costs 40 gallons. How many gallons will he need if he fills the aquarium and fills 4/5? 2. A baker must make 8 batches of cookies for a party. If each party requires 2 3/4 cups of flour, how many cups do you need? 3. Mike is putting up a fence in his backyard. The fence comes in sections 4 2/ 3 meters long. If the garden is 34 meters long, how many sections do you need to buy? 4. Bella volunteered to make cookies for her math class. Each batch of cookies requires 12/3 cups of flour. If he's got 12 glasses of flour, how many cookies can he make? 5. Trey is buying a computer on sale. This The price was \$1,200. If the sale price is 5/6 of the original price, how much did Trey pay for the computer? Show Step-by-Step Solutions Try the free Mathway calculator and problem solver below to apply various math topics. Try the examples provided, or type your own problem and check your response step-by-step. We look forward to your feedback, comments and questions about this site or page. Please send your feedback or questions via our Feedback page. Page.

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