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Fraction word problem worksheets for 6th grade

When dealing with word issues involving fractions, it is good to refer back to the basic basis of the math required. The universal rule when dealing with these types of problems is to ensure that you are working with fractional values that share a common denominator. The beauty of this is that you don't have to worry about using the least common denominator first as long as you reduce the final fraction. Find a common denominator between the values you find easy to work with. When you have both values in this format, addition and subtraction are simple. Just add the counters for add-ons and subtract counters for subtraction. The denominator won't change. The operation takes place only at the counter level. When it comes to multiplication, we don't have to worry about finding a common base, just multiplying the counters and denominators of the fractions together. Division is much the same distinction counters and denominators. Those are the basic rules you need to follow when dealing with these issues. The biggest challenge when dealing with these types of problems is determining which operation you need to work with based on the situation. If you're looking for common keywords, you can quickly create the type of math involved. To look for the words: combine(d), increase, join, together and in total. For subtraction look for the words or phrases: reduce, difference, left, less than, reduce, remove and remove. For multiplication, look for the words or phrases: by, per, product by, and time. For division following the words: average, equal parts, out of, relationship, split and sharing. Students will solve simple word problems involving fractions using basic skills. Ten problems have been given. Rosen walked $\frac{3}{4}$ of a mile before lunch and $\frac{1}{2}$ of a mile after lunch. How far did she go at all? My recipe requires $\frac{2}{3}$ cups of white flour and $\frac{2}{5}$ cups whole wheat flour. How much flour do I need in total from my recipe? During the pie eating competition my father ate 4 pies and my mother ate $\frac{1}{4}$ pies. How many pies did they eat completely? During the pie eating competition my father ate $\frac{5}{12}$ pies and my mother ate $\frac{1}{4}$ pies. How many pies did they eat completely? A bottle of Coke costs $\frac{3}{4}$ as much as a \$20 juice. How much would two bottles of Coke and two juices cost? There are 15 children in the park. A third of them play basketball. How many kids play basketball? Draw the chart for help. A liter of soda is poured completely into 5 glasses. How much does 3 glasses of soda weigh? (1 liter = 1000 ml) A history book costs $\frac{5}{6}$ of the cost of a geography book that is \$18. What do two books cost with history and two of geography? A mango juice costs $\frac{3}{8}$ as much as a \$16 pineapple juice. How much do three mango juices and three pineapple juices cost? There are 42 children playing in the park. If 3/7 are girls, then how many girls play in the park? This spreadsheet explains to solve a single word problem involving fractional increase by using a postgraph as a visual aid. A sample problem has been resolved. The price of a barrel of crude oil is \$45. If the price goes up by $\frac{3}{9}$, what is the new price of a barrel of crude oil? A contractor employs 10 people to build a wall. The payroll cost is \$36 per labor. The cost goes up by $\frac{2}{12}$. What does the new payroll cost for 10 people? Andy earns \$36 a day. If his earnings increase by $\frac{5}{6}$, what is the increased earnings of Andy? The cost of aviation fuel is \$30 per barrel. If it goes up by $\frac{7}{15}$, what is the new cost of fuel per barrel? One stock is \$30 on Monday and rising by $\frac{2}{6}$. What is the new price of the stock? Harry decides to invest \$9,000 in stocks and bonds. He invests so that investing in one share is twice of the investment in another share. What is the investment in the first stock? A solar cell costs 4 times as much as a regular battery. Buying the two together would cost \$10. How much would 7 solar cells cost? One package weighs 2 kg 400 g. if there are two books in the package where one of the books weighs 3 times the other, what is the weight of the heavier book? Sylvester and his friend are in a partnership in a business. Sylvester invests 6 times more than his friend. If together they invested \$2,100, what is the investment of his friend? An airliner uses three times as much fuel as a helicopter. If a tanker with 2,000 liters of fuel was used to refuel both the aircraft and the helicopter, how much fuel was used up by the helicopter? A race track is 4000 meters long. It is divided into two different segments, and each segment is assigned to a different team of workers. If one layer prepares the segment 3 times the length of the other, do you find the length of larger tracks being prepared? Sam bought three footballs for \$9. Emily bought three times as many. How much money did they spend together? Edwin's age is 54 years and Albert's age is $\frac{2}{3}$ by the age of Edwin. What is the sum of the age of Edwin and Albert? A larger cube can contain 30 marbles and a smaller cube can contain the $\frac{3}{10}$ number the larger cube can hold. What is the difference between the number of marbles the larger cube can hold and the smaller cube? A piece of iron costs \$80 and a steel sheet costs $\frac{3}{4}$ cost of the iron. So what is the difference between the cost of the steel piece and the iron piece? Aviation fuel is $\frac{1}{2}$ times more expensive than regular fuel. If regular fuel costs \$100 per barrel, what is the total cost of 2 liters of aviation and 2 liters of regular fuel? The volume of a cylinder is three times the volume of a cone. If the volume of the cone is 50 cubic meters, what is the volume of 3 such cylinder put together? Lisa has 6 shirts for every 5 pairs of skirts. If she has 42 shirts, how many pairs of skirts does she have? During the cake eat competition my father ate $\frac{5}{24}$ pies and my mother ate $\frac{2}{14}$ pies. How many pies did they eat completely? There are 24 day and students say that we will work for $\frac{3}{8}$ of the day. How much time should we spend working? Jack takes inventory to his closet and discovers that he has 9 shirts for every 4 pairs of jeans. If he has 72 shirts, how many pairs of jeans does he have? There are 35 students in the class, three-and-a-half of the students support getting married and the rest support Nancy. How many students does Nancy support? This worksheet explains how to resolve a word issue involving mixed numbers. A sample problem has been resolved, and two training problems have been given. During a cake eating competition, a man ate $\frac{4}{14}$ cakes and his son ate $\frac{3}{14}$ cakes. How many cakes did they eat completely? Jim picked 4 black shirts and 3 blue shirts. Ron picked 8 black shirts and some blue shirts. The relationship between black shirts and blue shirts picked by Jim and Ron was the same. How many blue shirts did Ron choose? If the fractions have the same denominator, perform the required operation on the two numbers. In this case, subtract the entire numbers and fractions. There are 50 students in a college, one-and-a-half of the students filled out their forms and the rest did not fill out their forms for the exams. How many students didn't fill out their forms? To create 45 drawings, Jack uses 40 colors for 20 brushes. If he uses 40 colors, how many brushes will he use? A worker at a factory works for twelve hours in one day. What fraction of the day does he work at the factory? Students will review how to solve a single word problem to find a fraction. A sample problem has been resolved and two training problems have been given. In a hotel, fifteen chocolates and twenty-three candies were distributed among children. What fraction of the candies were distributed at that hotel? Smith split an apple into twelve equal parts. He ate five. He put the other seven in the fridge. What fraction did Smith eat? Wilson has eighteen pencils. Three of them don't have erasers at the end. What fraction of the pencils have eraser at the end? Jackson has eight chocolate bars. He gives two to John, three to Sandy, and the rest of the chocolate bars to Ben. What fraction of the chocolate bars did he give to Ben? At a birthday party, the girls ate two-and-a-half of the pizzas and the boys ate $\frac{4}{5}$ of the pizzas. Danny went to the mall and bought $\frac{4}{5}$ of a pound of jelly beans and $\frac{2}{5}$ pound gummy bears. How much candy did he buy? It's 24 hours in a day, and scientists tell us we're going to sleep for $\frac{3}{8}$ of the day. How much time should we sleep? A rectangle measures $\frac{5}{12}$ inches on one side and $\frac{5}{19}$. What is the circumference of the rectangle? Tom bought a board that was $\frac{7}{8}$ of a yard long. He cut off $\frac{1}{2}$ of a garden. How much was left? A rectangle measures $\frac{7}{11}$ inches on one side and $\frac{15}{12}$. What is the circumference of the rectangle? It's 24 hours a day. A worker in a factory works for $\frac{1}{3}$ of the day. Find out how many hours he works at the factory? If the ratio of men to women in a city is 5 to 3 and there are a total of 864 people, How many of are women? James bought a new camera. He took pictures of birds and squirrels in the park. He took a total of 64 photos; out of that $\frac{3}{8}$ of the pictures are of squirrels. How many pictures did he just take of birds? Davis and Miller pick up tickets. Davis collects 50 tickets for every 40 tickets for Miller. Find the total number of tickets that Miller collects if they collect a total of 360 tickets? Tommy earns $\frac{1}{2}$ day vacation time for each week of work. How much vacation time does he earn to work 6 weeks? Jackson can eat 15 mangoes in 3 hours. How long does it take to eat 105 mango? This worksheet explains how to resolve a word problem to find a relationship. A sample problem has been resolved. Jackson can eat 15 mangoes in 3 hours. How long does it take to eat 105 mango? A man had a forty-metre band. He cut off pieces measuring three-forward by one meter each. How many pieces did he cut? Sam has three and four-fifths of rice and Jimmy has two and a fifth kg of rice. How much rice did they have completely? My current age is twenty-two and a half years. My brother is two and a half years older than me. Find my brothers at their current age. Ice cream cost is one-seventh of the dinner cost. Your total dinner cost is \$280. Find the cost of ice cream? The rectangular field has dimensions $\frac{3}{2} \times 11$ inches. What is the area of the rectangle in square inches? The farmer gets $\frac{1}{7}$ of the total potato sales, the wholesale retailer gets $\frac{1}{11}$, and the shopkeeper gets the rest. What part does the shop seller get? A carpet has the length of 5 inches. How many $\frac{1}{8}$ inches of tiles are needed to fully cover the carpet? Alice paid a \$4 in the market for eraser. She paid $\frac{1}{5}$ as taxes and $\frac{1}{4}$ solely as VAT. Find the cost of eraser. A square meter table measures 2 meters. How many chessboards can be placed on the square table if each chessboard has dimensions $\frac{1}{4} \times \frac{2}{4}$ meters? Three graphic designers have been assigned a project consisting of editing 120 images. The first two designers completed $\frac{1}{3}$ and $\frac{2}{6}$ of the total images respectively. Find the work done by the third designer? Jack donates $\frac{4}{5}$ of his salary in a month, and John donates $\frac{3}{3}$ of his salary in a month. How much more of a donation did Jack do? During a pie eating competition, a man ate $\frac{4}{14}$ pies and his son ate $\frac{1}{4}$ pies. How many pies did they eat completely? Tim picked 4 green jackets and 3 blue jackets. Megan picked 8 green jackets and some blue jackets. The relationship between green jackets and blue jackets picked by Tim and Megan was the same. How many blue jackets did Megan choose? Bob completes 10 projects in 5 days. How many projects will he be able to complete in 15 days? Mr. Francis walks 110 miles and his brother Tommy walks $\frac{1}{4}$ km more than him. What's the distance tommy's traveled? Jack had a party with him. To make 45 cakes, Jack uses 40 cups of flour for 20 cups of milk. If he uses 40 cups of milk, how many cups of flour will he use? Jack read four and five quarterly books in one month. John read three and three quarterly books in one month. How many more books did Jack read? It's twenty-four hours a day, and the students say we're going to work for four-sixths of the day. How much time should we spend working? During a cake eating contest, Rick ate three and a half cake, and his friend ate two and a half cake. How many cakes did they eat completely? Dave read six and five-quarters of books in a month, and John read four and three-quarters of books in a month. How many more books did John read? There are fifty students in the class, a fifth of students support Fred and the rest support Jim for class president. How many students does Jim support? To make forty-five cakes, John uses forty cups of flour for twenty cups of milk. If he uses forty cups of milk, how many cups of flour will he use? love basketball. When he shoots 20 free throws in a row, he makes 15 of them. What fraction of the shots land in the basket? A store owner sells three red suits and five black suits. What fractions of the suits are red? One dealer bought 5 red cars and 3 black cars. What fraction of the cars are red? There are 5 antiques in the box. Two of them are destroyed. What fraction of antiques are not broken? Throughout the day, Ernie has 5 shakes and one glass of juice. What fraction of the glasses shake? I bought 5 pens. Three of them have blue ink. What fraction of the pens do not have blue ink? At one venue, 60 students play football. Of them $\frac{3}{4}$ are boys. Find the number of girls playing football? Students will learn to find the number that is the specified fraction of another number. A sample problem has been resolved and two training problems have been given. Tom has a record of winning 15 hockey games for every 22 he plays. If he had won 60 games, then find the total number of matches played? My recipe calls 5 cups of water for every 3 cups of milk. How many cups of milk do I need for a total of 72 cups recipe? George shared 95 bananas among two of his friends.

He gave two or five of all bananas to one of his friends. How many bananas did his second friend have? A bus took 3 hours to travel 2.5 km. How long does it take to travel 15km? 15km?

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