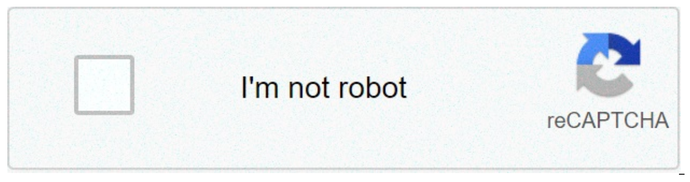

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Adding and subtracting fractions word problems grade 7 pdf

Fractions Word Problems.docx — ZIP archive, 78 kB (80411 bytes) Document Actions Subtracting fractions word problems arise in many situations. Let's consider some examples. Before you study this lesson, I strongly recommend that you take a look at comparing fractions or comparing fractions calculator. As shown in the word problem above, we usually subtract the smaller fraction from the bigger fraction when doing word problems involving the subtraction of fractions. Therefore, an understanding of how to subtract fractions is important. For instance, 1/2 is smaller than 2/3, so you will do 2/3 - 1/2 Example #1: A recipe needs 3/4 teaspoon black pepper and 1/4 teaspoon red pepper. How much more black pepper does the recipe need? This fraction word problem requires subtraction. Solution: The fact that the problem is asking how much more black pepper the recipe needs is an indication that 3/4 is bigger than 1/4. However, it does not hurt to check! 3/4 - 1/4 = 2/4 = 1/2 The black pepper is 1/2 of a teaspoon more than the red pepper. Example #2: A football player advances 2/3 of a yard. A second player in the same team advances 5/4 of a yard. How much more yard did the second player advance? Again, we need to perform subtraction to solve this problem. Solution 5/4 - 2/3 = 15/12 - 8/12 = 7/12 6/12 is equal to 1/2, so 7/12 is just a bit more than half. So, the second player advanced by about half of a yard more. To be more precise though, you can say that the second player advanced by 7/12 of a yard more than the first player. Example #3: John lives 3/8 mile from the Museum of Science. Sylvia leaves 1/4 mile from the Museum of Science. How much closer is Sylvia from the museum? Solution The fact that the word problem is saying how much closer Sylvia is, is an indication that 1/4 is smaller than 3/8. 3/8 - 1/4 = 3/8 - 2/8 = 1/8 Sylvia is closer to the library by 1/8 mile. You can also say that John is further away by 1/8 mile. Example #4: Maria caught shrimp that weighted 4 2/3 pounds. If she gave 3 1/6 pounds to his friends, how much shrimp did she have left? Solution In order to find out how much shrimp Maria is left with, we need to do the following subtraction. 4 2/3 - 3 1/6 4 2/3 - 3 1/6 = (4 - 3) + (2/3 - 1/6) 4 2/3 - 3 1/6 = 1 + (4/6 - 1/6) 4 2/3 - 3 1/6 = 1 + (3/6) 4 2/3 - 3 1/6 = 1 3/6 = 1 1/2 Maria has 1 1/2 pounds of shrimp left. Share it here with a very detailed solution! What Other Visitors Have Said Click below to see contributions from other visitors to this page... Apr 06, 21 04:11 PMLearn to calculate the area of a sector using the value of pi and what we already know about the area of a circle Read More New math lessons Your email is safe with us. We will only use it to inform you about new math lessons. Recommendations Recs Recall the topic carefully and practice the questions given in the math worksheet on add and subtract fractions. The question mainly covers addition with the help of a fraction number line, subtraction with the help of a fraction number line, add the fractions with the same denominator, subtract the fractions with the same denominator and word problems on add and subtract fractions.1. Add with the help of a fraction number line:(a) $^{2}/_{3} + {}^{1}/_{3}$(b) $^{3}/_{7} + {}^{2}/_{7}$(c) $^{6}/_{10} + {}^{1}/_{10}$ 2. Subtract with the help of a fraction number line: (a) $^{9}/_{10} - {}^{3}/_{10}$(b) $^{5}/_{6} - {}^{2}/_{6}$(c) $^{7}/_{8} - {}^{4}/_{8}$3. Add: (a) $^{7}/_{10} + {}^{2}/_{10}$ (b) $^{6}/_{8} + {}^{4}/_{8}$ (c) $^{5}/_{9} + {}^{2}/_{9} + {}^{1}/_{9}$ (d) $^{8}/_{11} + {}^{2}/_{11}$ (e) $^{4}/_{9} + {}^{7}/_{9}$ (f) $^{3}/_{8} + {}^{5}/_{8} + {}^{2}/_{8}$ (g) $^{4}/_{6} + {}^{2}/_{6} + {}^{1}/_{6}$ (h) $^{7}/_{12} + {}^{5}/_{12} + {}^{6}/_{12}$ 4. Find the difference. Remember to show the answer in the simplest form: (a) $^{9}/_{14} - {}^{4}/_{14}$(b) $^{6}/_{11} - {}^{3}/_{11}$ (c) $^{8}/_{12} - {}^{4}/_{12}$ (d) $^{12}/_{15} - {}^{9}/_{15}$ (e) $^{12}/_{13} - {}^{9}/_{13}$ (f) $^{6}/_{10} - {}^{2}/_{10}$ (g) $^{9}/_{16} - {}^{5}/_{16}$ (h) $^{12}/_{14} - {}^{8}/_{14}$Worksheet on Word Problems on Addition and Subtraction of Like Fractions: 5. Solve these problems: (a) $^{1}/_{3}$ of the school garden has vegetable and another $^{1}/_{3}$ has flowers. What part of the garden is left to grow grass? (b) Sam spent $^{1}/_{6}$ of his Sunday doing home work and $^{3}/_{6}$ of the day watching cricket. What part of the day was left to do other things? (c) My mother ate $^{1}/_{8}$ of the cake and my father $^{3}/_{8}$. How much of the cake has been eaten and how much is left? (d) Pearl bought $^{2}/_{3}$ of her school books last week. What part is still left to be bought? (e) Sonia walked $^{3}/_{8}$ of the distance to school and ran $^{5}/_{8}$ of the distance. How much more of the distance does she need to cover? (f) Emma likes chocolate. One day she bought a chocolate and ate \(\frac{5}{8}\) of it in the morning and \(\frac{2}{8}\) in the evening. How much part of the chocolate has she eaten?(g) James and Lucas are eating a pizza. James ate \(\frac{3}{4}\) of the pizza and Lucas ate \(\frac{1}{4}\) of pizza. Who ate more pizza?(h) Sophia completed \(\frac{2}{5}\) of her homework before going out for play. She did \(\frac{1}{5}\) of her homework after the play. How much homework did she complete altogether?(i) David distributed \(\frac{19}{24}\) apples in his class and gave \(\frac{2}{24}\) to his friend Richard. What fraction of apples he gave away in all?(j) Mary read \(\frac{2}{9}\) of her book in the morning and \(\frac{5}{9}\) in the evening. What fraction of the book has she read?(k) A piece of ribbon is \(\frac{12}{15}\) m long. A piece of \(\frac{4}{15}\) m is cut from it. What is the fraction of the remaining ribbon?(l) Nancy saves \(\frac{2}{7}\) of her salary and uses \(\frac{1}{7}\) for paying the house rent. How much salary is she left with? Answers for the worksheet on add and subtract fractions are given below to check the exact answers of the above questions on adding & subtracting fractions. To add two or more like fractions we simplify add their numerators. The denominator remains same. In worksheet on addition of fractions having the same denominator, all grade students can practice the questions on adding fractions. This exercise sheet on fractions can be practiced by the students to get more ideas how to add fractions with the same denominators. In worksheet on subtraction of fractions having the same denominator, all grade students can practice the questions on subtracting fractions. This exercise sheet on fractions can be practiced by the students to get more ideas how to subtract fractions with the same Addition and subtraction of like fractions. Addition of Like Fractions: To add two or more like fractions we simplify add their numerators. The denominator remains same. To subtract two or more like fractions we simply subtract their numerators and keep the same denominator. In 4th grade fractions worksheet we will circle the like fractions, circle the greatest fraction, arrange the fractions in descending order, arrange the fractions in ascending order, addition of like fractions and subtraction of like fractions. We will discuss here how to arrange the fractions in ascending order. Solved examples for arranging in ascending order: 1. Arrange the following fractions 5/6, 8/9, 2/3 in ascending order. First we find the L.C.M. of the denominators of the fractions to make the denominators In comparison of unlike fractions, we change the unlike fractions to like fractions and then compare. To compare two fractions with different numerators and different denominators, we multiply by a number to convert them to like fractions. Let us consider some of the Any two like fractions can be compared by comparing their numerators. The fraction with larger numerator is greater than the fraction with smaller numerator, for example \(\frac{7}{13}\) > \(\frac{2}{13}\) because 7 > 2. In comparison of like fractions here are some Like and unlike fractions are the two groups of fractions: (i) 1/5, 3/5, 2/5, 4/5, 6/5 (ii) 3/4, 5/6, 1/3, 4/7, 9/9 In group (i) the denominator of each fraction is 5, i.e., the denominators of the fractions are equal. The fractions with the same denominators are called In worksheet on equivalent fractions, all grade students can practice the questions on equivalent fractions. This exercise sheet on equivalent fractions can be practiced by the students to get more ideas to change the fractions into equivalent fractions. We will discuss here about verification of equivalent fractions. To verify that two fractions are equivalent or not, we multiply the numerator of one fraction by the denominator of the other fraction. Similarly, we multiply the denominator of one fraction by the numerator Equivalent fractions are the fractions having the same value. An equivalent fraction of a given fraction can be obtained by multiplying its numerator and denominator by the same number In 5th Grade Fractions Worksheets we will solve how to compare two fractions, comparing mixed fractions, addition of like fractions, addition of unlike fractions, addition of mixed fractions, word problems on addition of fractions, subtraction of like fractions Here we will learn Reciprocal of a fraction. What is 1/4 of 4? We know that 1/4 of 4 means 1/4 × 4, let us use the rule of repeated addition to find 1/4× 4. We can say that \(\frac{1}{4}\) is the reciprocal of 4 or 4 is the reciprocal or multiplicative inverse of 1/4 To divide a fraction or a whole number by a fraction or a whole number, we multiply the reciprocal of the divisor. We know that the reciprocal or the multiplicative inverse of 2 is \(\frac{1}{2}\). ● Fractional Numbers - worksheetsWorksheet on Equivalent Fractions.Worksheet on Fractions.Worksheet on Comparison of Like Fractions.Worksheet on Conversion of Fractions.Worksheet on Changing Fractions.Worksheet on Types of Fractions.Worksheet on Reducing Fraction.Worksheet on Addition of Fractions having the Same Denominator.Worksheet on Subtraction of Fractions having the Same Denominator.Worksheet on Add and Subtract Fractions.Worksheet on Fractional Numbers. 4th Grade Math Activities From Worksheet on Add and Subtract Fractions to HOME PAGE Didn't find what you were looking for? Or want to know more information about Math Only Math. Use this Google Search to find what you need. adding and subtracting fractions word problems grade 7 pdf. adding and subtracting fractions word problems worksheets 7th grade

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