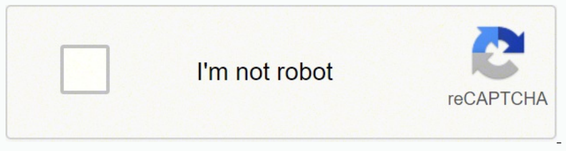


Next

Dividing fractions word problems with answer key

Name: Date:

Word Problems: Fractions

Multiplication with Fractions

Solve the word problems. Please show all of your work. Use labels in your answers.

1) Erin baked 32 cookies. She wants to bring 3/8 of those cookies to her Girl Scout meeting. How many cookies will she bring to girl scouts?

2) Todd is doing his math homework. He has 60 problems in all. After an hour, he only has 1/12 of those problems left. How many problems does he have left?

3) Corey is making dinner. He is just cooking for two people, so he only wants to make 1/3 of the recipe. If the recipe calls for 6 eggs and 18 ounces of peas, how many eggs and ounces of peas does Corey need to have to make dinner?

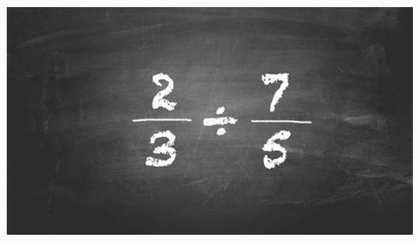
4) Ms. Phillips class is going to the zoo. The zoo is 352 miles from their school. If after twenty minutes they are 1/4 of the way there, how many miles have they traveled?

5) Victoria wants to cut her hair. Her hair is 24 inches long. Her mom says that she can cut off 2/3 of her hair, to donate. How many inches of hair will Victoria donate?

Time Started:
Time Completed:
Time to Finish:
Number correct: /5 = %

Speed:
<5 min=Efficient | 5-8 minutes=Good work | >8 min=Needs practice

Accuracy:
100%=Mastery | 80-99%=Good work | <80%=Needs practice



Division as Fractions - Word Name:

Solve each problem. Make sure to write your answer as a fraction.

1) Roger had collected 87 leaves to feed to his caterpillar collection. If he wanted to split the leaves equally amongst the 10 cages, how much should he put in each cage? Between what two whole numbers does your answer lie?

2) A teacher had 15 packages of paper she wanted to split equally into 2 piles. How much should be in each pile? Between what two whole numbers does your answer lie?

3) A pet store had 4 cats. If they wanted to split 43 ounces of cat food amongst them, how much should each cat get? Between what two whole numbers does your answer lie?

4) Downtown, 3 artists were painting a mural that was 17 feet long. If they split the canvas evenly, how much will each artist get to paint? Which two whole numbers does your answer lie between?

5) Maria had 64 pixie sticks that she want to make last 7 days. How much can she eat each day so that they'll last her 7 days? Between what two whole numbers does your answer lie?

6) A fast food restaurant had 46 pounds of flour. If they split the flour evenly among 8 batches of chicken, how much flour would each batch use? Between what two whole numbers does your answer lie?

7) A relay race team had 7 members. Total they ran 72 miles, with each member running the same distance. How far did each member have to run? Between what two whole numbers does your answer lie?

8) A candy maker had a piece of taffy that was 59 inches long. If he chopped it into 6 equal length pieces, how long would each piece be? Which two whole numbers does your answer lie between?

9) A blanket shop had 29 feet of fabric. If they wanted to use the fabric to make 8 blankets, each the same length, how long would each one be? Between what two whole numbers does your answer lie?

10) A sub sandwich maker had a sandwich that was 45 meters long. If he wanted to cut the sub into 6 pieces, each the same length, how long would each be? Between what two whole numbers does your answer lie?

Answers

1. ____ ___ ___
2. ____ ___ ___
3. ____ ___ ___
4. ____ ___ ___
5. ____ ___ ___
6. ____ ___ ___
7. ____ ___ ___
8. ____ ___ ___
9. ____ ___ ___
10. ____ ___ ___

Math 4 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 100

Name: Date:

Word Problems: Fractions

Division with Fractions (With mixed numbers)

Solve the word problems. Please show all of your work. Use labels in your answers.

1) Sheila is baking a few cakes for the bake sale for her school. Each cake requires 2 1/2 cups of sugar. How many cakes can she bake if she has 7 1/3 cups of sugar?

2) Sheldon is a long distance runner. He can run a mile at a consistent pace of 6 4/5 minutes. How many miles can he run in 30 minutes, if he keeps that pace?

3) Lourdes got a plant as a birthday gift. Her plant grows an average of 1 2/5 inches every month. How long will it take for the plant to grow a full 10 2/3 inches?

a) How long will Lourdes have to wait for her plant to grow a total of 14 1/4 inches?

4) Elsa is remodeling her bathroom floor. She is going to use tile that is 4/9 of a foot long. If her bathroom is 7 1/3 feet long, how many tiles will she need to first cover the length of the bathroom?

a) Elsa's tile is a square, so it is also 4/9 of a foot wide. If Elsa's bathroom is 5 3/4 feet wide, how many tiles will she need to cover the width of her bathroom?

Time Started:
Time Completed:
Time to Finish:
Number correct: /6 = %

Speed:
<5 min=Efficient | 5-8 minutes=Good work | >8 min=Needs practice

Accuracy:
100%=Mastery | 80-99%=Good work | <80%=Needs practice

Dividing fractions word problems 6th grade with answer key.

Solution: Answer: The area of the classroom is 9 and 7/20 square meters. Example #2 How many halves are there in six-fourths? 50 × 30 = 1250 In 5 hours, the airplane will cover 1250 miles.Did you have a hard time understanding the problems above? This sixth- and seventh-grade math worksheet features seven fraction word problems that will provide learners with practice dividing fractions and whole numbers. Give students practice dividing fractions within real-world contexts with this Dividing Fractions: Word Problems worksheet. Multiplying fractions word problems Jan 12, 22 07:48 AMThis lesson will show you how to construct parallel lines with easy to follow stepsRead More Enjoy this page? Be sure to simplify your result, if necessary. Analysis: To solve this problem, we will divide the first mixed number by the second. Note: To write the mixed number four and two-thirds, enter 4, a space, and then 2/3 into the form. Solution: Answer: The electrician has 2 and 5/8 pieces of wire. Then we will multiply the two fractions. 6/4 ÷ 1/2 = 6/4 × 2/1 6/4 ÷ 1/2 = (6 × 2)/(4 × 1) 6/4 ÷ 1/2 = 12/4 6/4 ÷ 1/2 = 3 Therefore, there are 3 halves in six-fourths. She divides the licorice into pieces that are 1 and 7/8 centimeters long. Solution: Answer: It will take 6 and 2/3 yards of fabric to make 8 dresses. Analysis: To solve this problem, we will divide the first fraction by the second. We will show you some examples. If it is divided into pieces that are 3/8 of an inch long, then how many pieces is that? What is the area of the classroom? Let them take the reciprocal of the divisor and multiply it with the dividend, and they're good to go! Dividing Mixed Numbers Word Problems Give 5th grade and 6th grade students a good round of practice to hone their skills in fraction division. You will need to divide 6/4 by 1/2 to get the answer. Summary: In this lesson we learned how to solve word problems involving multiplication and division of fractions and mixed numbers. Exercises Directions: Subtract the mixed numbers in each exercise below. To start over, click CLEAR. 5 ÷ 1/5 = 5/1 ÷ 1/5 5 ÷ 1/5 = 5/1 × 5/1 5 ÷ 1/5 = (5 × 5)/(1 × 1) 5 ÷ 1/5 = 25/1 5 ÷ 1/5 = 25 Then, you need to multiply 50 by 25 to get the answer. Example #1: An Italian sausage is 8 inches long. 3. First, we will convert each mixed number into an improper fraction. View answersAdd to collectionAssign digitallyCommon Core State StandardsTexas Essential Knowledge and Skills (TEKS)Virginia Standards of Learning (SOL)Next Generation Science Standards (NGSS)BC Performance StandardsAlberta Program of StudiesThe Australian Curriculum (ACARA)The Victorian Curriculum (F-10) Example 1: If it takes 5/6 yards of fabric to make a dress, then how many yards will it take to make 8 dresses? 4. Click here for More Word Problems Worksheets If you're seeing this message, it means we're having trouble loading external resources on our website. How many pieces of sausage can be cut from the 8-inch piece of sausage if each piece is to be two-thirds of an inch? Solution: Answer: Elena got 3/8 of the original box of cupcakes. If they divide the tape onto pieces that are 5/8 meters long, then how many pieces will they have? She divides the wire into pieces that are 1 and 2/3 centimeters long. Lila drank 1/3 as much juice as Todd did. Click once in an ANSWER BOX and type in your answer; then click ENTER. Word problems are a great way to help students see the relevance of their learning in everyday life as they apply their knowledge of dividing fractions to cooking, crafting, eating, and more. A rectangular area rug has a length of 3 and 2/3 feet and a width of 2 and 3/4 feet. Dividing Mixed Numbers and Fractions Word Problems The road to mastery in word problems on dividing mixed numbers and fractions is made smooth with our printable worksheets. Again, since you are trying to find out how many halves there are in six-fourths, it is a division of fractions problem. First, find out how many fifths (1/5) are there in 5. Analysis: To solve this problem, we will multiply these two fractions. Please pay it forward. This problem is a combination of division and multiplication of fractions. Janet has 5 and 3/4 centimeters of licorice. You will need to divide 5 by 1/5. This Word Problems Worksheet will produce problems that focus on division with fractions. Solution Since you are trying to find out how many two-thirds there are in 8, it is a division of fractions problem. If you're behind a web filter, please make sure that the domains *.kastatic.org and *.kasandbox.org are unblocked. 8 ÷ 2/3 = 8/1 ÷ 2/3 8 ÷ 2/3 = 8/1 × 3/2 8 ÷ 2/3 = (8 × 3)/(1 × 2) 8 ÷ 2/3 = 24/2 8 ÷ 2/3 = 12 Therefore, you can make 12 pieces of sausages having a length of 2/3 inches from an 8 inches long Italian sausage. How many pieces of licorice will she have? Read the problems, identify the dividends and divisors, and find the answers. How many pieces does she have? Dividing fractions word problems arise in numerous situations. Did you not understand them at all? Skip to main content XLog In Dividing Fractions and Whole Numbers Word Problems Prepare the child through and through so they divide fractions and whole numbers with word problems. Share it here with a very detailed solution! What Other Visitors Have Said Click below to see contributions from other visitors to this page... Here's how... A piece of wood is 15 feet long. What is the area of the rug? Solution: Answer: 2 pieces Example 5: An electrician has a piece of wire that is 4 and 3/8 centimeters long. How many 3/4-foot sections can be cut from it? What fractional part of the original box of cupcakes did Elena get? Analysis: To solve this problem, we will multiply these mixed numbers. Convert mixed numbers into improper fractions, and proceed to divide them as usual. How many miles can the airplane cover in 5 hours? Example #3: An airplane covers 50 miles in 1/5 of an hour. Example 2: Renee had a box of cupcakes, of which she gave 1/2 to her friend Juan. After you click ENTER, a message will appear in the RESULTS BOX to indicate whether your answer is correct or incorrect. Juan gave 3/4 of his share to his friend Elena. 2. Todd drank 5/8 of a 24-ounce can of juice. 5. Check out my book about fractions. Solution: Answer: The warehouse will have 2 and 2/25 pieces of tape. 1. How many cups of melted chocolate are needed to make 8 batches of cookies? You will need to divide 8 by 2/3 in order to get the answer. Take a look at this figure ! Do you need to master fractions once and for all? But first we must convert each mixed number to an improper fraction. One batch of cookies contains 1 and 3/4 cups of melted chocolate. I recommend that you review the lesson about division of fractions before starting this lesson. Example 3: Nina's math classroom is 6 and 4/5 meters long and 1 and 3/8 meters wide. Example 6: A warehouse has 1 and 3/10 meters of tape. Example 4: A chocolate bar is 3/4 of an inch long. Analysis: To solve this problem, we will convert the whole number to an improper fraction. This is a division of fractions problem. You have the option to select the range of denominators, as well as the types of fractions displayed. Themed Fraction Division Word Problems If grade 6 and grade 7 learners are bent on proving they're real gifted at tackling fraction division, nothing can stop them! With our themed word problems pdfs, problem-solving is at its most exciting. Would you prefer to share this page with others by linking to it?Click on the HTML link code below.Copy and paste it, adding a note of your own, into your blog, a Web page, forums, a blog comment, your Facebook account, or anywhere that someone would find this page valuable. How many ounces did Lila drink?