

The purpose of this project is to demonstrate a clear understanding of two concepts of division using fractions.

For this project, two students should work together. You will turn in ONE project for the two of you and both will receive the same grade. The project is worth the same as two quizzes: 20 points.

Use only one side of each piece of paper. Your project will have five pages. Cover Page (included at the end of this instruction sheet – Please print out and include.); Page 1) story problem I with arithmetic work and quotient; Page 2) repeated-subtraction problem drawing; Page 3) story problem II with arithmetic work and quotient; Page 4) sharing problem drawing. Staple the pages together.

Do the following:

I. Write a story problem using the repeated-subtraction concept of division. Show the division arithmetic work and the quotient. Using an entire sheet of unlined paper, make an appropriate drawing for your problem that clearly shows the correct quotient. Use labels on your drawing. Label the word problem and the drawing “Repeated-Subtraction.”

II. Write a story problem using the sharing concept of division. Show the division arithmetic work and the quotient. Using an entire sheet of unlined paper, make an appropriate drawing for your problem that clearly shows the correct quotient. Begin by drawing the DIVISOR. You are sharing  $3\frac{1}{2}$  of something with your divisor. Use labels on your drawing. Label the word problem and the drawing “Sharing.”

For both of your examples, use  $3\frac{1}{2}$  as the dividend.

Use a fraction as the divisor. Use one fraction for example I and a different fraction for example II. Write each problem so that the quotient is a mixed number.

## Cover Page for Fraction Division Quiz Project

Student 1: \_\_\_\_\_

Student 2: \_\_\_\_\_

Class Time: \_\_\_\_\_

Quiz # \_\_\_\_\_

Quiz # \_\_\_\_\_

Repeated Subtraction:Sharing:

Pages stapled – 1 pt \_\_\_\_\_

New divisor – 1 pt \_\_\_\_\_

Word problem – 3 pts \_\_\_\_\_  
Correct concept and numbersWord problem – 3 pts \_\_\_\_\_  
Correct concept and numbers

Correct work shown – 2 pts \_\_\_\_\_

Correct work – 2 pts \_\_\_\_\_

Entire sheet blank paper – 1 pt \_\_\_\_\_

Entire sheet – 1 pt \_\_\_\_\_

Clear drawing with word and number  
labels to make it easy to read – 3 pts \_\_\_\_\_

Clear drawing – 3 pts \_\_\_\_\_

Total: \_\_\_\_\_

Total: \_\_\_\_\_