

Download Examples Of Multiplying Fractions With Whole Numbers

Convert the whole number and fraction to an improper fraction by multiplying the whole number by the bottom number in the fraction, and adding it to the top number. For example, $3 \frac{1}{2} = \frac{7}{2}$. Multiply the fractions like usual, top numbers together, and bottom numbers together. Example 1 - Multiplying Fractions by Whole Numbers. The process is exactly the same. We will first change the whole number 6 to a proper fraction and then multiply. Since this example can get messy with so many numbers, I am also going to simplify within the problem first, so that I don't have to simplify larger numbers at the end of the problem. Multiply the fractions (multiply the top numbers, multiply bottom numbers): $32 \times 115 = 3 \times 112 \times 5 = 3310$. Convert to a mixed number. $3310 = 3 \frac{310}{1}$. If you are clever you can do it all in one line like this: $1 \frac{12}{2} \times 2 \frac{15}{5} = 32 \times 115 = 3310 = 3 \frac{310}{1}$. One More Example: What is $3 \frac{14}{3} \times 3 \frac{13}{3}$? Convert Mixed to Improper Fractions: $3 \frac{14}{3} = \frac{134}{3}$. $3 \frac{13}{3} = \frac{103}{3}$. Multiply. $\frac{134}{3} \times \frac{103}{3} = \frac{13012}{9}$ We simply find the total number of pieces by multiplication, which means you multiply the whole number and the top number (numerator) of the fraction. The lesson also has many word problems. In the video below, I teach multiplying fractions by whole numbers, which is a fairly easy concept., Examples Of Multiplying Fractions With Whole Numbers.

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