


Interpreting Fractions as Division

<p align="center">Overarching Student Learning Goals</p> <p align="center">In this unit, your child will work to build an understanding of the following:</p>	<p align="center">Resources/Tasks to support your child at home.</p>
<p>Determine how a fraction can represent division and relate to multiplication</p> <p>Examples: $4 \div 6 = \frac{4}{6}$</p> <p>$\frac{12}{2} = 12 \div 2$</p> <p>Six friends share 4 pizzas equally.</p>  <p>$4 \div 6 = \underline{\hspace{2cm}}$</p> <p>Each friend's share is $\underline{\hspace{2cm}}$ of a pizza.</p>	<ul style="list-style-type: none"> Learn Zillion -Fractions Represented as Division http://tinyurl.com/zv5n2nd Real World Situation: Sharing objects with people; sharing 3 cookies among 4 people and asking what amount of cookies each person will get. Origo One: Interpreting Fractions as Division http://bit.ly/2Jg3pHg
<p>Interpret Remainders as a part of a whole</p> <p>Erin has 87 ounces of trail mix. She puts an equal number of ounces in each of 12 bags. How many ounces does she put in each bag?</p> <p>First, divide to find the quotient and remainder. Then, decide how to use the quotient and the remainder to answer the question.</p> <ul style="list-style-type: none"> The dividend, $\frac{87}{12}$, represents the total number of ounces of trail mix. The divisor, $\frac{12}{7}$, represents the total number of bags. The quotient, $\frac{7}{3}$, represents the whole-number part of the number of ounces in each bag. The remainder, $\frac{3}{12}$, represents the number of ounces left over. <p>Divide the 3 ounces in the remainder by the divisor, 12, to write the remainder as a fraction: $\frac{3}{12}$</p> <p>Write the fraction part in simplest form in your answer.</p> <p>So, Erin puts $\frac{7\frac{1}{4}}{4}$ ounces of trail mix in each bag.</p> <div style="text-align: right;"> $\begin{array}{r} 7 \text{ r}3 \\ 12 \overline{)87} \\ \underline{-84} \\ 3 \end{array}$ </div>	<ul style="list-style-type: none"> <u>Real World Example</u>: There are 253 students waiting for a van to go on a field trip. If each van holds 8 students, what fraction of the last van is full? Solution: $\frac{5}{8}$ Math is Fun: Division and Remainders - https://goo.gl/P45T7B