Dividing Fractions

Divides a whole number by a fraction or vice versa	Divides a fraction by another fraction, without needing to partition a 'left-over' portion	Divides a fraction by another fraction, with partitioning of a 'left-over' portion	Represents and solves problems that involve fraction division
$\frac{3}{4} \div 3$ "I know that $\frac{3}{4}$ is made up of 3 one-fourth pieces. So, when I divide by 3, I get $\frac{1}{4}$. $\frac{3}{4} \div 3 = \frac{1}{4}$	$\frac{3}{2} \div \frac{3}{4}$ "I want to know how many three-fourths are in 3 halves. I can start by drawing a number line, partitioning it in fourths, marking $\frac{3}{2}$ and making hops of $\frac{3}{4}$ until I get there. It takes 2 hops, so $\frac{3}{2} \div \frac{3}{4} = 2$."	$\frac{2}{3} \div \frac{1}{2}$ "I drew a number line from 0 to 1 and marked $\frac{2}{3}$ on it. I also added markings for sixths because I know that $\frac{1}{2}$ is the same as $\frac{3}{6}$ and $\frac{2}{3}$ is the same as $\frac{4}{6}$. I made hops that were $\frac{1}{2}$ unit long. From my model, I can see that it takes $1\frac{1}{3}$ hops to get to $\frac{2}{3}$, so $\frac{2}{3} \div \frac{1}{2} = 1\frac{1}{3}$."	Maya has $2\frac{1}{4}$ cups (c) of sugar. Their iced tea recipe uses $\frac{3}{4}$ c of sugar to make a pitcher of tea. How many pitchers of tea can Maya make with the sugar they have? "I drew a rectangle to represent the sugar. I partitioned it to show fourths. Then I marked off in three-fourths to find out how many pitchers of tea Maya can make. From my drawing, Maya can make 3 pitchers of iced tea."

Mathology 7
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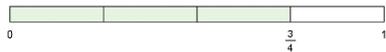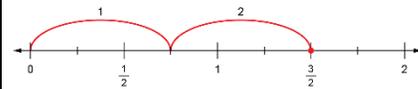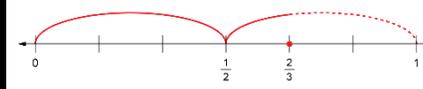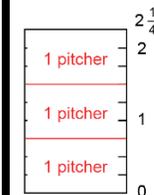This page may have been modified from its original.

Activity 11 Assessment
Dividing Fractions

Observations/Documentation			