Name _____

Date _____ Pd_____

DIVIDING FRACTIONS II

The bar model can also be used to divide fractions by other_____ .
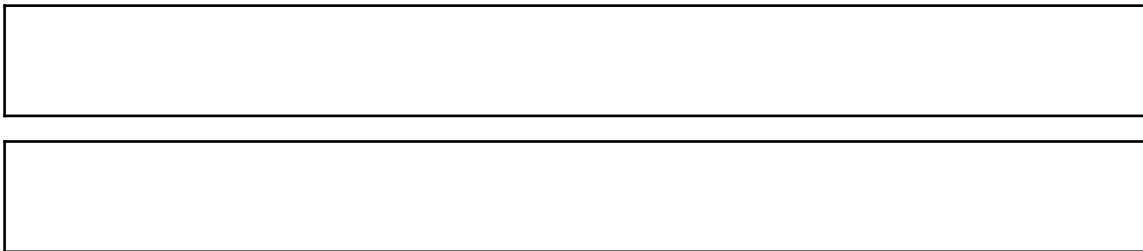
Read each situation below and answer the questions to best understand what is happening in the problem. Then, use the diagram to model the problem.

Mr. Felix modeled the problem $\frac{7}{8} \div \frac{2}{8}$ in the bar model below. Complete the model below to show how many groups Mr. Felix will make.

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
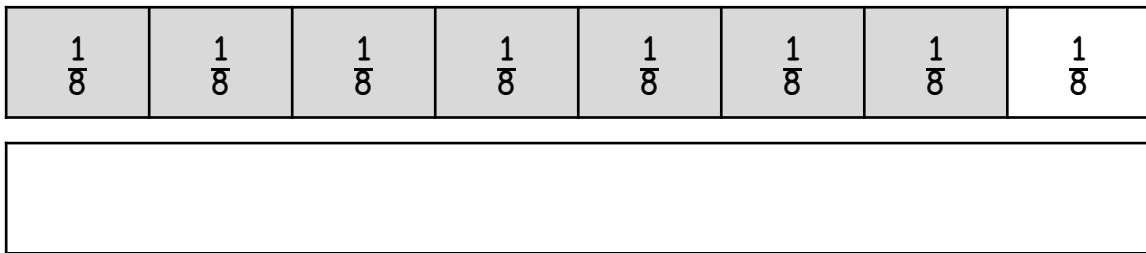
$\frac{7}{8} \div \frac{2}{8} =$ _____

Use the model below to show how many times $\frac{1}{2}$ will fit into $\frac{5}{6}$, or $\frac{5}{6} \div \frac{1}{2}$.

$\frac{5}{6} \div \frac{1}{2} =$ _____

Determine the reciprocal of each fraction below.

1.	2.	3.	4.
$\frac{16}{21}$	$\frac{8}{11}$	$\frac{3}{1}$	$\frac{1}{5}$

Use the algorithm to practice dividing a fraction by a fraction in the problems below.

5. $\frac{1}{4} \div \frac{3}{5} = $ _____	6. $\frac{7}{8} \div \frac{1}{4} = $ _____
7. $2\frac{5}{6} \div \frac{2}{3} = $ _____	8. $\frac{3}{10} \div \frac{3}{5} = $ _____

9. Practice dividing the fractions in the table below. In step 1, rewrite your problem to multiply by the reciprocal. In step 2, show your work and simplify. Then, write your solution in simplest form.

	$\frac{5}{12} \div \frac{2}{5}$	$2\frac{3}{4} \div 1\frac{4}{7}$	$5\frac{1}{3} \div \frac{2}{5}$
REWRITE THE PROBLEM			
WORK			
SOLUTION			

10. Circle the name of any student who wrote a division problem with a quotient between 1 and 3.

KINA	MILTON	LILY
$2\frac{1}{2} \div 2\frac{1}{3}$	$3\frac{1}{5} \div \frac{2}{7}$	$1\frac{3}{4} \div \frac{2}{3}$

Summarize today's lesson: