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## **Dividing Fractions by Fractions**

Solve the fraction division problems by making rectangular bar models.

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1)	$\frac{1}{2} \div \frac{1}{6}$	1 =				
	2 6	5				
		-				
2)	2	1				
	2 5	4 -				

3)	$\frac{2}{3} \div \frac{1}{2} =$				
	3 2				
4)	5 3				
	$\frac{5}{8} \div \frac{3}{4} =$	_			

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	5)	1	. 4			l e							
		2	$\frac{4}{5}$	-					-				
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	6).	2	2										
		$\frac{3}{7}$	$\frac{3}{5}$	=	-								
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7)		$\frac{1}{4} \div \frac{3}{7}$	3 =											
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8)	5	$\div \frac{1}{3}$		A Comment of the Comm										
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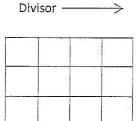
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9)		$\frac{4}{6} \div$	$\frac{1}{5} =$							
10)	1	1							-	
	8	÷ 1/6								
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## **Review Steps for Fraction Modeling:**

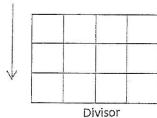
1) Make 2 identical rectangles. One for the dividend with rows equal to its denominator. One for the divisor with column equal to its denominator.

Example:  $\frac{1}{3} \div \frac{1}{4} =$ 

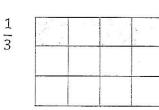


Dividend



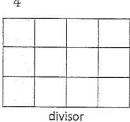


2) Shade the 1<sup>st</sup> rectangle horizontally with the dividend and shade the 2<sup>nd</sup> rectangle vertically with the divisor.



dividend





3) Find out how many times the 2nd fraction (divisor) goes into the 1<sup>st</sup> fraction (dividend).

One time with one left over

The number of squares shaded in the  $\mathbf{1}^{\mathsf{st}}$  rectangle is the numerator and the number of squares shaded in the 2<sup>nd</sup> rectangle is the denominator of your solution.

5) Simplify your answer.

 $\frac{4}{3} = 1\frac{1}{3}$