

N I	$\bigcirc$ I	
Name:	Class:	



Divide unit fractions by whole numbers using models

	-	Solve	the	follo	win	g pi	rob	em:	s us	ing	m	ode	els.								
a	1 ÷	4																			
)	1 ÷	3																			
	1 ÷	8																			
																			<u>_</u>		
																					2
																			9	, )	5
																				A	ń
																	6	J ŝ	4		J
																	1		2/5		



## mathskills4kids

Name:	Class	
Nume:	Clussi	



Divide unit fractions by whole numbers using models.

1	
	Solve the following problems using models
a.	$\frac{1}{5} \div 4$
	Let's first of all interpret the expression by drawing the model and dividing it into 4 groups of $\frac{1}{5}$
	→ group 1 The shaded squares represent one fifths in four groups.  → group 2 Each group gets 1 out of a total of 20 squares in the model.  → group 3 So, each group gets 1/20 of the whole.  → group 4
	Therefore, $\frac{1}{5} \div 4 = \frac{1}{20}$
b.	$\frac{1}{3} \div 3$ Let's first of all interpret the expression by drawing the model and dividing it into 3 groups of $\frac{1}{3}$
	The shaded squares represent one third in three groups. $\Rightarrow$ group 2  Each group gets 1 out of a total of 9 squares in the model. $\Rightarrow$ group 3  So, each group gets $\frac{1}{9}$ of the whole.  Therefore, $\frac{1}{3} \div 3 = \frac{1}{9}$
C.	$\frac{1}{2} \div 8$ Let's first of all interpret the expression by drawing the model and dividing it into 8 groups of $\frac{1}{2}$
	The shaded rectangles represent halves in eight groups.  Each group gets 1 out of a total of 16 rectangles in the model.  So, each group gets $\frac{1}{16}$ of the whole.  Therefore, $\frac{1}{2} \div 8 = \frac{1}{16}$