Name:_____

Interpret Fraction Division

Write an equation to represent the problem. Then solve.

1. Ramona works at an animal shelter. She has 3 pounds of dog food that she separates into $\frac{1}{4}$ pound servings to feed the dogs. How many dogs will she be able to feed?

   a) Drag and drop from the box to construct the equation and drag and drop the answer.

$n = 12$	$\frac{1}{4} \text{ x } \frac{1}{3} = n$
$3 \text{ x } 4 = n$	
$3 \div \frac{1}{4} = n;$ $n = \frac{1}{12}$	$\frac{1}{4} \div 3 = n;$

   b) Ramona will be able to feed ____ dogs.

2. Four dogs share $\frac{1}{2}$ of a steak. What fraction of the steak does each dog get?

   a) Drag and drop to create the equation and drag and drop the answer.

$n = 8$	$4 \text{ x } 2 = n$	$\frac{1}{2} \text{ x } \frac{1}{4} = n$
$4 \div \frac{1}{2} = n$	$n = \frac{1}{8}$	$\frac{1}{2} \div 4 = n$

   b) Each dog gets _____ of the steak.

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3) Complete the story problem to represent $5 \div \frac{1}{3}$.

Roberto has _____ cups of milk. He separates the milk into _____cup servings to feed kittens at an animal shelter. How many kittens will he be able to feed?

Roberto will be able to feed _____ kittens.

4) Make up your own story to represent $2 \div \frac{1}{4}$.

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