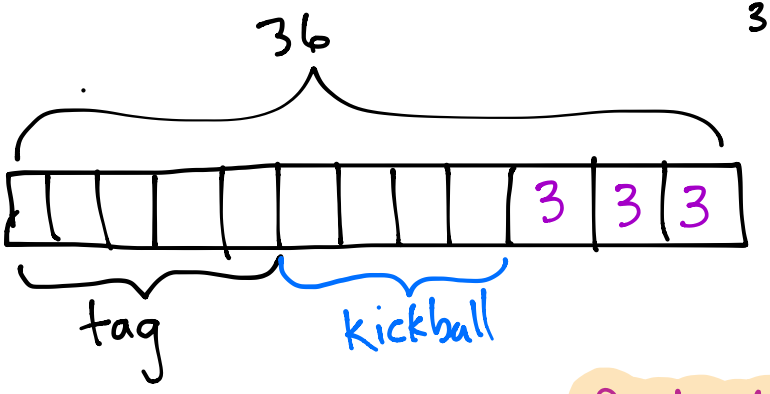
Name _____ Date _____

1. Use the RDW process to solve the word problems below.

   a. There are 36 students in Mr. Meyer's class. Of those students, $\frac{5}{12}$ played tag at recess, $\frac{1}{3}$ played kickball, and the rest played basketball. How many students in Mr. Meyer's class played basketball?

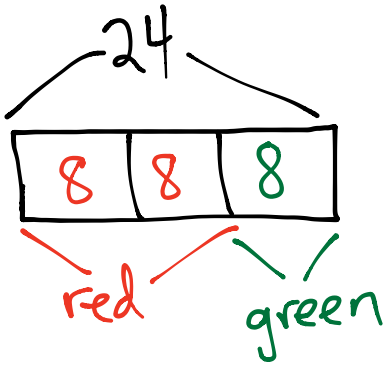
$\frac{1}{3} \times 4 = \frac{4}{12}$



12 units = 36
1 unit = 3

9 played basketball

   b. Julie brought 24 apples to school to share with her classmates. Of those apples, $\frac{2}{3}$ are red and the rest are green. Julie's classmates ate $\frac{3}{4}$ of the red apples and $\frac{1}{2}$ of the green apples. How many apples are left?



$\frac{3}{4}$ of 16 apples

$\frac{3}{4} \times 16^{4} = 12$

16 − 12 = 4

4 red apples left

$\frac{1}{2}$ of 8 apples

$\frac{1}{2} \times 8^{4} = 4$

8 − 4 = 4

4 green apples left

8 apples are left

2. Write and solve a word problem for each expression in the chart below.

Problems will vary. Exact answers

Expression	Word Problem	Solution
$144 \times \frac{7}{12}$	There are 144 fifth graders at a camp. $\frac{7}{12}$ of them are girls. How many girls attended the camp?	$144 \times \frac{7}{12} = 12$ 12 girls
$9-\left(\frac{4}{9}+\frac{1}{3}\right)$	Chris has 9 cups of sugar. She uses $\frac{4}{9}$ cup to bake cookies and $\frac{1}{3}$ cup to bake a cake. How much sugar does she have left over?	$9-\left(\frac{4}{9}+\frac{1}{3}\right)$ $=9-\left(\frac{4}{9}+\frac{3}{9}\right)$ $=9-\frac{7}{9}$ $=8\frac{2}{9}$ cups
$\frac{3}{4} \times (36+12)$	36 children and 12 adults are at a party. $\frac{3}{4}$ of them ate the cake. How many is this?	$\frac{3}{4} \times (36+12)$ $=\frac{3}{4} \times (48)$ $=36$