Name: ..... Class: .....

Fractions of a Number Word Problems

a. How many $\frac{4}{6}$ cup servings of wine are there in a 6 cup keg of wine?

b. In Ava's school, two-fourth of the 136 pupils in the school are boys.

How many pupils in the school are boys?

c. If $\frac{2}{7}$ of the 7 teachers in Piper's school are assigned to each class, how many teachers in the school are assigned per class?

d. At a birthday party, Aiden's mother baked 504 cupcakes. The boys ate $\frac{5}{7}$ of the cupcakes and the girls ate $\frac{2}{9}$ of the cupcakes.

How many cupcakes are left?

e. Some months back, Peter decided to go for a run in the morning and in the evening.
If he ran two-third of a mile each time, how many miles did he run in one day?

Solution

Name: ..... Class: .....

Fractions of a Number Word Problems

a. Number of cups in a keg of wine = 6

Fraction of the cup servings of wine in 6 cup keg of wine = $\frac{4}{6}$

Therefore, number of $\frac{4}{6}$ cup of servings of wine in a 6 cup keg of wing =

fraction of the cup servings of wine in 6 cup keg of wine × number of cups in a keg of wine

$\frac{4}{6}$ of 6 = $\frac{4}{6}$ x $\cancel{6}$ = 4

So, there are 4 cup servings of wine are there in a 6 cup keg of wine.

b. There are 68 pupils in the school are boys.

c. 2 teachers were assigned per class.

d. 32 cupcakes were left.

e. He ran 1.33 mile in one day.