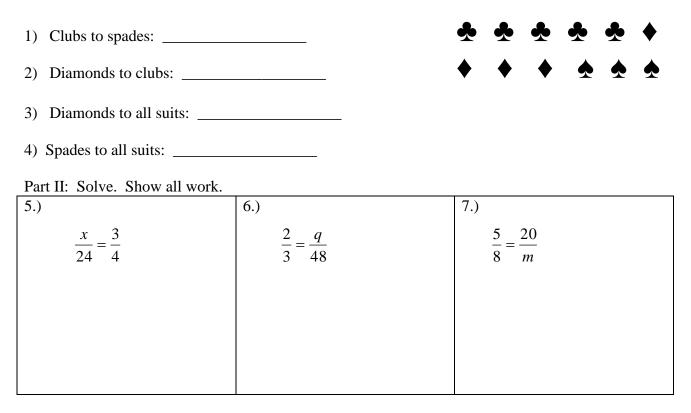
Ratios/Rates/Proportions/Percents

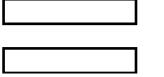
Name:_____

Part I: Express each ratio three different ways. Reduce your ratios if possible.

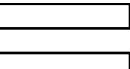


Part III: Solve. Use a variable to stand for the unknown amount. Use the given boxes for your labels.

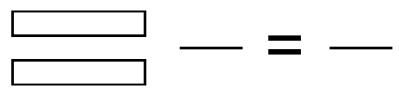
8) Rob used 5 slices of bologna for every 3 slices of bread he used. How many slices of bread will he need for 35 slices of bologna?



9) Farmer Joe has lots of rabbits and lots of predators on his farm. Only 3 out of every 10 rabbits live long enough to reproduce. At this rate, how many rabbits will there need to be in order for 27 of them to reproduce?



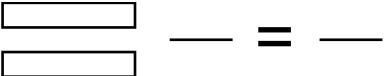
10) Bonnie's recipe calls for 4 cups of brown sugar for every 3 cups of good old granulated sugar. If she needs 24 cups of brown sugar, how much total sugar will she need?



Part IV: Percents. Use proportions.

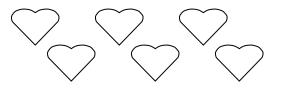
- 11) $\frac{7}{50}$
- 12) $\frac{11}{25}$

13) Roger liked 80% of the movies he saw last year. If he liked 60 movies, how many did he see?



Part V: Misc.

14) Shade 1/3 of the hearts below.



15) What is the ratio of shaded to un-shaded above?

16) What percent of the hearts are shaded?

17) How many more unshaded hearts would you need to draw to make the ratio of shaded to un-shaded hearts 1:4?