Assignment	on	Ratio	language

name:				

1. a. Write a list of X's and O's where there are 2/5 as many X's as O's.

XX 00000

- b. Write another list of X's and O's where there are 2/5 as many X's as O's and where there are a different number of X's and O's than in your first example.
- 2. a. Write a list of X's and O's where 2/5 of the symbols

b. Write another list of X's and O's where 2/5 of the symbols are X's and where there are a different number of X's and O's than in your first example

XX 000

- I have a bag of cookies. Eight of the cookies are oreos and 12 of the cookies are chocolate chip.
- a. Write a ratio sentence comparing the number of oreos to the number of chocolate chip cookies.

The ratio of OtoCC is 2:3

- b. Write a ratio sentence comparing the number of chocolate chip cookies to the number of oreos.
- c. Write a multiplicative comparison sentence comparing the number of oreos to the number of chocolate chip cookies.

There are 2/3 as many as CC

d. Write a multiplicative comparison sentence comparing the number of chocolate chip cookies to the number of oreos.

There are 12 times as many CC as O

e. Write a part-whole fraction sentence for the number of cookies that are oreos. 8/20 = 2/5

2/g of the cookies are

f. Write a part-whole fraction sentence for the number of cookies that are chocolate chip.

3/6 of the cookies are CC.

g. Write a sentence for the percent of the cookies that are oreos.

40% of the c. are 0

h. Write a sentence for the percent of cookies that are chocolate chip.

60% of the care O

Bar diagrams to solve	problems

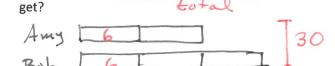
There are some ratio problems where you don't really need a bar diagram:

1. There are 2/3 as many pens as pencils. There are 30 pencils, How many pens are there? 72×10=20 pens pencils

2. There are 3/4 as many cats as dogs. There are 12 cats. How many dogs are there?

There are some other ratio problems, where a bar diagram is really useful.

3. Amy and Bob share a plate of cookie. Amy gets 2/3 as many as Bob. If there are 30 cookies on the plate, how many do each



30:5=6 30 Amy gets 2x6=12 Bob gets 3x6=18

4. A package of stickers has stars and hearts. There are 2/5 as many stars as hearts. If there are 90 more hearts than stars, how many stars are there?

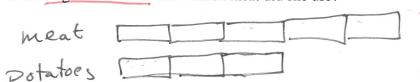


90 + 3 = 30 30 x 2 = 60 stars.

Problems to do with ratios and bar diagrams (1-step)

5. 3/10 of the beads in a jar are red. The rest are blue. If there are 200 more blue beads than red, how many beads are there altogether?

6. Mrs. Johnson mixed meat with potatoes in the ratio of 5:3 to make 4 kg of meat loaf. How much meat did she use?



4:8= ==