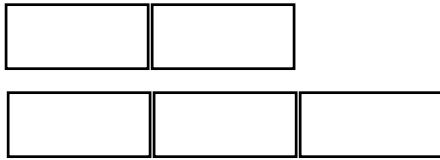Ratios: name:_____

1. I have 2/3 as many blue fish as goldfish. I have 15 fish. How many fish are blue?
(Label and solve)

2. I have 3/4 as many blue fish as goldfish. I have 14 fish. How many goldfish do I have?
(make a diagram and solve)

3. I have 3/5 as many Wheat Thins as Ritz crackers. I have 48 crackers. How many crackers are Wheat Thins?
(Solve. Show how you used multiplication and division.)

Finding numbers to match ratios
Act out each problem using pictures in Smart Notebook, and fill in the table to show your solution

4. ● At 1:00 there were twice as many dogs as cats in the waiting room at the vet's office.
   • At 1:15, Mrs Goodie and her two dogs come in, and Mr. Jones brings in his two cats.
   • The vet who was going to see the cats is still at lunch, but in the next hour the vet who is in is able to see all but 3 of the dogs, so all but 3 dogs leave.
   • There are now 8 animal (all cats or dogs) in the clinic.
   • How many cats were in the office at 1:00?

Fill in the table, and tell the answer:

time	number of dogs	number of cats	ratio dogs:cats
1:00			
1:15 (before vet)			
2:15 (after vet sees dogs)			

Notes on strategy:

5.
- I have lots of trees in my yard. In spring last year, before I planted new flowers, the ratio of the number of trees to the number of flowers in my garden was 1:1.
- I planted 8 flowers in May,
- I planted another 10 flowers in June. Then I had with four times as many flowers as trees, for a total of 30 plants (flowers and trees combined).
- How many trees do I have?

month	number of trees	number of flowers	Ratio trees:flowers
Spring (before planting)			
Total after May planting			
Total after June planting			

Notes on strategy:

6. On Monday, Cindy made some bunnies and dinosaurs for the craft fair. She made 1/4 as many bunnies as dinosaurs.
- On Wednesday, she made some more. When she was done, she had twice as many bunnies and dinosaurs as she had before (twice as many bunnies as on Monday and twice as many dinosaurs as on Monday).
- At the craft show she sold all but one of the bunnies, and she sold 3/4 of the dinosaurs. She had 7 items left to take home.
- How many bunnies did she make on Monday?

day	number of bunnies	number of dinosaurs	Ratio bunnies:dinosaurs
Made Monday			
Total after making more Weds.			
Had after craft show.			

Notes on strategy: