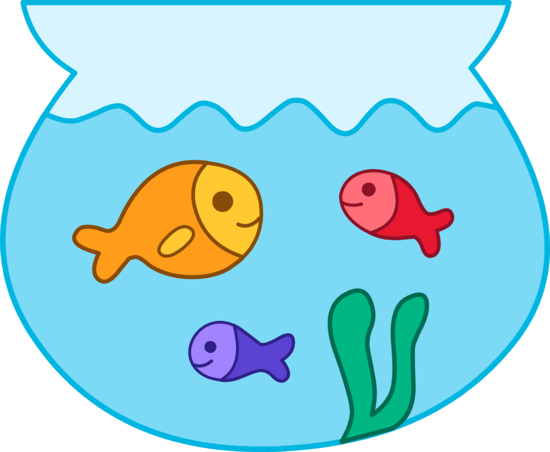
**Here Fishy-Fishy!**



Yolanda has some fish that she keeps in a fishbowl on her dresser. Zachary has some fish that he keeps in a fishbowl on the kitchen counter.

The ***ratio*** of the number of Yolanda’s fish to Zachary’s fish is 2:7.

Zachary gives Yolanda some fish and, after he does, he has twice as many fish as Yolanda.

Yolanda now has 24 fish.

**How many fish did Zachary give her?**

* Create a VISUAL MODEL to represent the problem
* Be prepared to present your solution strategy to your classmates.
* Be ready to defend your work!
* Verify that your answer is correct!
* HAVE FUN!

Here is one possible solution path:

Beginning with the ratio of Yolanda’s fish to Zachary’s fish, 2 to 7…

Yolanda

Zachary

Then… Zachary gives Yolanda some fish, and now he has twice as many fish as she does…

Well, if just ONE of those boxes moves, Yolanda will have 3, and Zachary will have 6 (which is twice as many as 3…)

Yolanda

Zachary

Now, the layout is as follows:

Yolanda

Zachary

Since we know that Yolanda now has 24 fish, that means that each box must represent 8 fish, because

24 3 = 8.

= 24

8

8

8

Yolanda

Zachary

**SO…there must have been 8 fish in that red box that represents the fish that Zachary gave her.**

**We can check this by finding the number of fish that they both started out with, assuming that there were, indeed, 8 fish in each box.**

**Yolanda: 2 x 8 = 16**

**Zachary: 7 x 8 = 56**

**NOW: Yolanda: 3 x 8 = 24**

**Zachary: 6 x 8 = 48 …and 48 is TWICE as many as 24 ☺**