

# Numeracy Gr 3 January 18

## Activity 1: Two of Everything

### Materials Needed:

- The book Two of Everything by Lily Toy Hong, or listen to this video [here](#), pencil and paper.

### Task Instructions:

Read the book Two of Everything or watch with your child.

Read through the book a second time and get your child to make and fill in a chart as items in the pot are doubled:

Into Pot	Out of Pot
1 hairpin	2 hairpins
1 purse	_____purses
5 gold coins	_____gold coins



Discuss what would happen if you put some other things in the pot. For example, what would happen if you put 8 marbles in the pot? Ask your child to explain how they know.

Now you can move on by making your own “magic pot”. Tell your child that for this new pot, you put one item in and get 3 out. Ask what the rule is...(child will probably say 3x as many come out). Now tell them you put 3 items in and got 5 out. This shows that the rule is not 3x but +2...have the child give a few more examples of this rule. Explain that the rule cannot be determined from just one example.

Try a few more different “magic pots”. You can use very simple rules like +1, x3, +3, -1 etc.

Have your child come up with their own rule.

For all of these examples, have the child make a chart to record what goes in and what goes out.

### Parent Tips:

This idea of the “magic pot” rule is the beginning of understanding algebra, but in its very early form. Find some more ideas for exploring patterns [here](#).