Bar Diagrams/Tape Diagrams/Thinking blocks   name:_____

http://www.mathplayground.com/thinkingblocks.html   class time:_____

Go to thinking blocks at the math playground site, and click on Repair the Rocket (Thinking Blocks Junior)

1. In Part-Whole 2 parts, the game will give you a word problem that is a Join, Separate or Part-Whole problem. Like with the quiz, the word problems are randomly generated (every time you click on part-whole 2 parts, you will get a new problem.

a. Find a problem that is a part-part-whole problem (either whole unknown or part unknown) and solve it. Write the word problem and draw the diagram that you made at the end of the level.

b. Find a problem that is a separate (take from) problem (any unknown is OK). Write the word problem and draw the diagram that you made at the end of the level.

c. Find a problem that is a start unknown problem (either Add to or Take from is OK). Write the word problem and draw the diagram that you made.

2. In the Compare-1 step problems, you will find a variety of compare problems.

a. Find a compare problem that is about a situation (not just numbers) that is a difference unknown problem. Write the word problem and draw the diagram that you made.

b. Find a compare problem that is about a situation (not just numbers) where you need to find the amount in one of the sets (either Compared Quantity or Referent unknown is OK). Write the word problem and draw the diagram that you made.

3. If you go all the way back to the beginning thinking blocks page: http://www.mathplayground.com/thinkingblocks.html you will find that there are videos to help you understand how to make this kind of diagram, and there is a tool that lets you draw to solve your own problem. You can use those tools if you wish, or you may draw without using the tools for these problems. Draw bar diagrams for the problems:

a. Connor had some crayons. He gave 10 crayons to Shane. Now he has 4 left. How many crayons did Connor have to begin with?

b. Marissa has 4 chapter books. She has 7 fewer chapter books than picture books. How many picture books does she have?